

Rexroth Connection Cables IndraDrive and IndraDyn

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Edition 03

Selection Data



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Purpose of Documentation	This documentation serves the purpose of selecting power and encoder cables for the motor series IndraDyn on the controller series IndraDrive. This documentation contains interconnection diagrams for ready made connection cables from Rexroth.														
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1 About this Documentation

1.1 Validity of this Documentation

This documentation is valid for ready-made cables of Rexroth and their single components and is for responsible project employees of machine manufacturers and assemblers.

1.2 Presentation of Information

Safety Instructions The safety instructions in these operating instructions include signal words (danger, warning, caution, note) and a signal symbol (acc. to ANSI Z535.6-2006).

The signal word is intended to draw your attention to the safety instructions and describes the seriousness of the danger. The warning triangle with exclamation mark indicates the danger for persons.

DANGER

Non-compliance with this safety instructions **will** result in death or severe personal injury.

WARNING

Non-compliance with this safety instructions **can** result in death or severe personal injury.

CAUTION

Non-compliance with this safety instructions can result in moderate or minor personal injury.

NOTICE

Non-compliance with this safety instructions can result in material damage.

Symbols

Symbol	Meaning
	Reference to supplementary documentation
	This note gives important information, which must be observed.
1. 2. 3.	Numbered action instructions: The numbers show that the action steps must be taken one after the other.
	Warning against dangerous electric voltage

About this Documentation

Symbol	Meaning
	The UL Recognized Component Mark shows recognized component parts which are components of a bigger product or system.
	The letters C and E stand for "Conformité Européenne". The CE mark only shows that a product conforms with the respective EC guidelines. Conformity with the Low Voltage Directive 2006/95EC, EN 60034-1, EN 60034-5 is confirmed for MSK motors.

Tab. 1-1: Meaning of symbols

2 Safety Instructions

2.1 Appropriate Use

Prerequisites for appropriate and safe use of the cables are proper transport and storage, correct assembly and connection and careful maintenance and operation.

The cables have been designed for installation in industrial machinery. The cables comply with the following standards and directives:

Standards

EN 50363-10-2	Insulating, sheathing and covering materials for low voltage energy cables
EN 60811-2-1	Electric and optical fibre cables - Test methods for non-metallic materials
EN 60811-1-1	
EN 60332-1-2	Tests on electric and optical fibre cables under fire conditions
EN 60228	Conductors of insulated cables
EN 50396	Non electrical test methods for low voltage energy cables
VDE 472 Part 815	Testing of cables, wires and flexible cords, Non-Halogen Verification

Directives

2006/95/EC	Low Voltage Directive
UL and CSA	see "Technical Data"

The machine manufacturer must evaluate the electric and mechanic safety as well as environmental influences in the assembled state of the machine according to the Machine Directive 2006/42/EC and DIN EN 60204-1 (safety of machines).

The manufacturer of the machine is responsible for conformity with regional regulations and other standards relevant for the respective application and the place of installation. Additionally, consider the installation methods, grounding, line disconnection, overload protection.

The electric installation must comply with the protection requirements of the EMC Directive 2004/108/EC. The proper installation of the system (for instance physical separation of signal and power cables, use of shielded cables ...) is in the responsibility of the machine manufacturer. The converter manufacturer's EMC instructions must be observed.

The machine may not be commissioned before conformity with these directives has been determined.

2.2 Personnel Qualification

Cables may only be ready-made by qualified personell (e.g. electrically qualified person) or by qualified persons.

A person is qualified, if knowledge or experiences of respective standards and regulations exists. Assigned work must be evaluated and possible danger be recognized.

Safety Instructions

2.3 General Safety Instructions

⚠ DANGER

High electrical voltage! Danger of life, risk of injury due to electric shock or heavy bodily harm.

Wrong selection and processing of cables, lines and accessories can lead to continuous or short-term defective behavior of the drive system in operation.

- Select cables and accessories only according to the details in this documentation.
- Absolutely keep processing and assembly instructions for the product.
- Before activating the construction, completely check the selection and installation details described in this documentation, on their effectiveness. Ensure a proper seat and a safe electric contact of all connectors, screw terminals and conducting parts. For loose connections and/or loose contacts exists the risk of electric shock or local overheating, which might also cause fire.
- Observe the general construction and safety instructions about work on high voltage systems.
- Before switching on, establish the fixed connection of the protective conductor to all electric devices according to the interconnection diagram.
- Operation, even for short-term measuring and testing purposes, is only permitted with the protective conductor securely connected to the component points provided.
- Before accessing electric parts with voltages exceeding 50 volts, disconnect the unit from the external power supply or from the voltage source. Secure against restarting.

3 Scope of Delivery

The scope of delivery of a Rexroth cable contains

- cable in origin package

On delivery, immediately verify whether the delivered goods are those specified on the delivery note. The forwarder must be promptly informed of any damage on the packaging and goods, which is detected on delivery. Damaged products must not be put into operation.

4 About this Product

4.1 Product Description

The design of and the used materials for Rexroth cables allow for use of the cables in fix and flexible laying.

You will find information about UL and CSA, as well as technical features in [chapter 29 "Technical Data of Rexroth Cables" on page 523](#).

4.2 Cable Dimensioning and Laying System

The permitted current carrying capacity can be selected according to VDE 0298, Part 4 (Application of cables and cords in power installations) or IEC 60364-5-52 (operating temperature on conductor 90°C). In this context, observe the laying system and the specified correction factors.

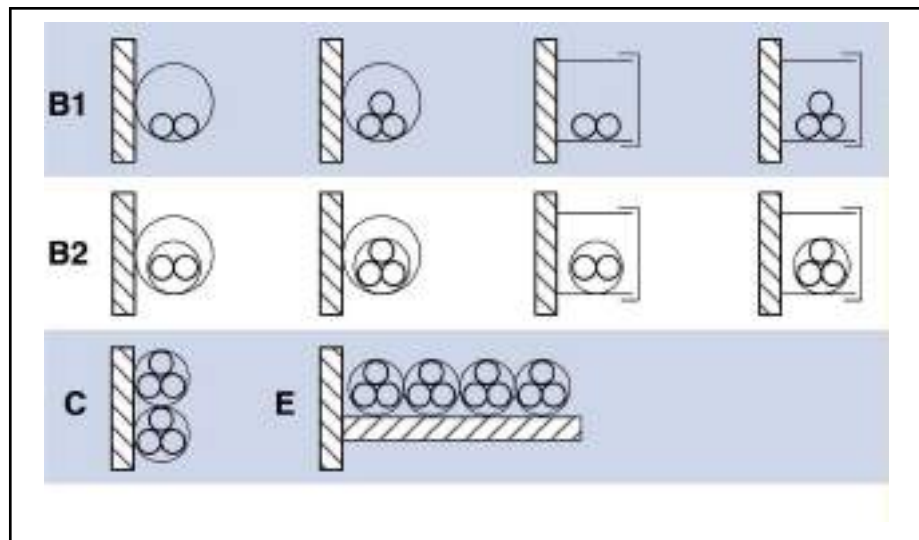
Observe the national standards, e.g. NFPA in USA, regional regulations, grounding, operating temperature, operating cycles, overload protection and system configuration. They can also influence the dimensioning.

Crossection [mm²]	Current rating for Rexroth cables in A _{eff}
	Ambient temperature 40 °C
1.0	13.0 ^{1) 2)}
1.5	15.7 ^{1) 2)}
2.5	22.6 ^{1) 2)}
4.0	29.6 ^{1) 2)}
6.0	38.3 ^{1) 2)}
10.0	53.0 ^{1) 2)}
16.0	71.3 ^{1) 2)}
25.0	93.9 ^{1) 2)}
35.0	116.0 ^{1) 3)}
50.0	140.0 ^{1) 3)}
70.0	176.0 ^{1) 3)}

- 1) Minimum value according to VDE 0298, Part 4 or IEC 60364-5-52
- 2) Current rating according to VDE0298, Part 4 - Flexible laying for heat-resistant lines, installation method E
- 3) Current rating according to IEC 60364-5-52 - Fix laying, operating temperature on the conductor 80 °C, installation method B2

Tab. 4-1: Current rating (ambient temperature 40°C, no accumulated rating)

About this Product



- B1** Conductor in installation pipes and in installation channels to be opened
- B2** Cables or lines in installation pipes and in installation channels to be opened
- C** Cables or lines on walls
- E** Cables or lines on open cable trays.

Fig. 4-1: Installation methods (compare IEC 60364-5-52; VDE0298-7; EN 60204-1)

4.3 Identification

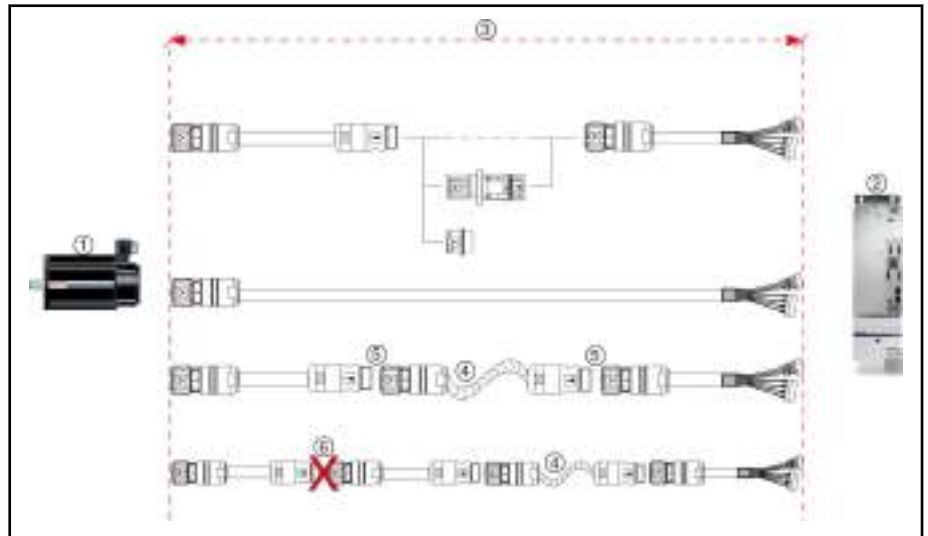
Ready-made power and encoder cables of Rexroth are delivered with a type plate. The following information is included on the cable type plate:

- ordering designation / length in meter
- part number
- manufacturing date (year / calendar week)
- revision index of the part list

The type plate serves to identify the cable and for spare parts procurement in the case of a malfunction. Any complaints can only be observed with a readable type plate. If a clear cable identification is not possible, any warranty claim expires.

4.4 Cable Lengths

The maximum available line length for power and encoder cables is limited to 75.0 m.



- ① Motor
- ② Drive controller
- ③ Length (meter)
- ④ Cable drag chain
- ⑤ Connectors
- ⑥ Other connection points in this combination are NOT PERMITTED!

Fig. 4-2: Maximum permitted cable length

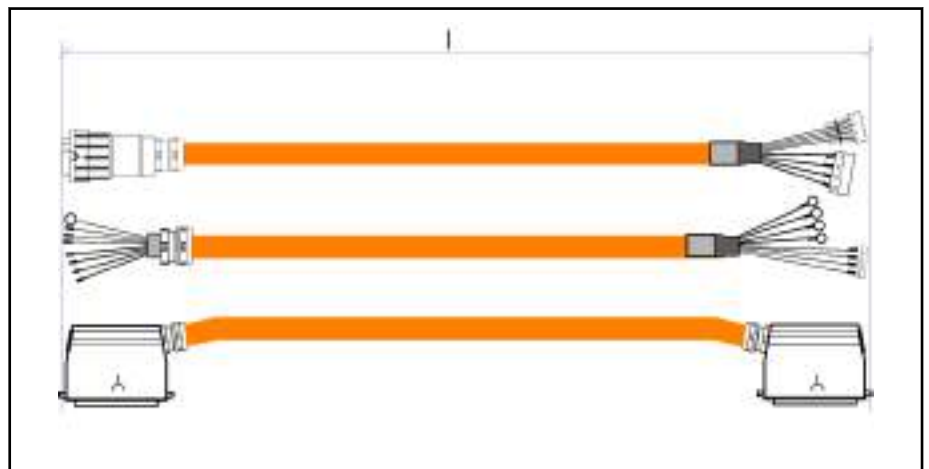
Note that the line length can be limited by:

- Connectors (> 2 pieces)
- The switching frequency of the drive controllers (e.g. 4 kHz, 8 kHz)
- EMC behavior



Observe the notes in the project planning manuals for IndraDrive drive controllers and the EMC project planning manual.

The total length of a ready-made cable is including connectors.



u Ordering lengths of ready-made cables

Fig. 4-3: Ordering lengths

About this Product

Connection Cables	Standard graduation ²⁾ [m]	Length tolerance at < 5 m [m]	Length tolerance at > 5 m [%]	Maximum lengths ¹⁾ [m]
RKLxxxx, IKGxxxx	0.1	+ 0.05	+ 1	75
RKGxxxx	0.1	+ 0.05	+ 1	75
RKSxxxx	--	+ 0.05	+ 1	type specific
RKBxxxx	--	type specific	--	type specific
RKHxxxx	0.1	+ 0.05	+ 1	75

¹⁾ For exceptions refer to the specific device documentation!

²⁾ Graduations are possible in 0.1 m. The minimum lengths results from the technical requirements.

Tab. 4-2: Cable lengths and tolerances

When separable cables are needed, they have to be ordered according to their appropriate lengths.

Example:

Ordering designation for 1. cable with a lengths of 10.0 m (as separate connection): **RKL4305/010.0**

Ordering designation for 2. cable with a lengths of 25.5 m (continuation to the controller): **RKL4303/025.5**

5 Transport and Storage

5.1 Transport Instructions

Transport our products only in their original package. Observe additional environmental influences to prevent the products from any transport damage.

Based on EN 60721-3-2, the tables below specify classifications and limit values which are allowed for our products while they are transported by land, sea or air. Observe the detailed description of the classifications to take all of the factors which are specified in the particular class into account.

Allowed classes of ambient conditions during transport acc. to EN 60721-3-2

Classification type	Allowed class
Classification of climatic ambient conditions	2K2
Classification of biological ambient conditions	2B1
Classification of chemically active materials	2C2
Classification of mechanically active materials	2S2
Classification of mechanical ambient conditions	2M1

Tab. 5-1: Allowed classes of ambient conditions during transport

For the sake of clarity, a few essential environmental factors of the aforementioned classifications are presented below. Unless otherwise specified, the values given are the values of the particular class. However, Bosch Rexroth reserves the right to adjust these values at any time based on future experiences or changed ambient factors.

Allowed transport conditions

Environmental factor	Symbol	Unit	Value
Temperature	T_T	°C	-20 ... +80 ¹⁾
Air humidity (relative air humidity, not combinable with quick temperature change)	φ	%	75 (at +30 °C)
Occurrence of salt mist			Not allowed ¹⁾

1) Differs from EN 60721-3-2

Tab. 5-2: Allowed transport conditions

Transport and Storage

5.2 Storage Instructions

5.2.1 Storage Conditions

Generally, Bosch Rexroth recommends to store all components until they are actually installed in the machine as follows:

- In their original package
- At a dry and dustfree location
- At room temperature
- Free from vibrations
- Protected against light or direct insolation

Based on EN 60721-3-1, the tables below specify classifications and limit values which are allowed for our products while they are stored. Observe the detailed description of the classifications to take all of the factors which are specified in the particular classification into account.

Allowed classes of ambient conditions during storage acc. to EN 60721-3-1

Classification type	Class
Classification of climatic ambient conditions	1K2
Classification of biological ambient conditions	1B1
Classification of chemically active materials	1C2
Classification of mechanically active materials	1S1
Classification of mechanical ambient conditions	1M2

Tab. 5-3: Allowed classes of ambient conditions during storage

For the sake of clarity, a few essential environmental factors of the aforementioned classifications are presented below. Unless otherwise specified, the values given are the values of the particular class. However, Bosch Rexroth reserves the right to adjust these values at any time based on future experiences or changed ambient factors.

Allowed classes of ambient conditions during storage acc. to EN 60721-3-1

Environmental factor	Symbol	Unit	Value
Air temperature	T_L	°C	-20 ... +60 ¹⁾
Relative air humidity	φ	%	5 ... 95
Absolute air humidity	ρ_w	g/m ³	1 ... 29
Condensation	--	--	Not allowed
Ice formation/freezing	--	--	Not allowed
Direct solar radiation	--	--	Not allowed ¹⁾
Occurrence of salt mist	--	--	Not allowed ¹⁾

1) Differs from EN 60721-3-1

Tab. 5-4: Allowed storage conditions

5.2.2 Storage Times

Additional measures must be taken on commissioning to preserve proper functioning - irrespective of the storage time which may be longer than the

Transport and Storage

warranty period of our products. However, this does not involve any additional warranty claims.

Cables and Connectors

Bearing time / months			Measures for commissioning
> 1	> 12	> 60	
■	■	■	Visual inspection of all parts to be damage-free
	■	■	Check the electric contacts to verify that they are free from corrosion
		■	Visually inspect the cable jacket. Do not use the cable if you detect any abnormalities (squeezed or kinked spots, color deviations, ...).

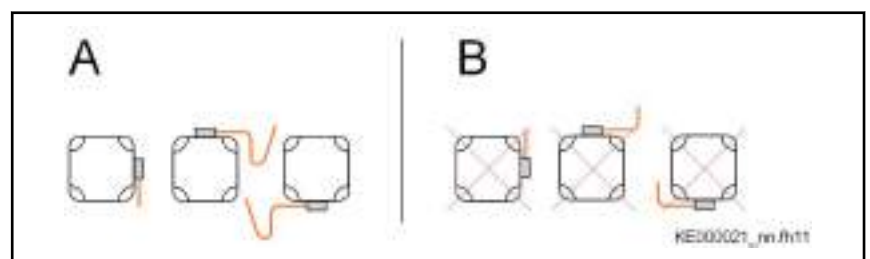
Tab. 5-5: Measure before commissioning cables and connectors that have been stored over a prolonged period of time

6 Assembly

6.1 General Installation Conditions

The reachable lifetime of cables mainly depends on the mode of installation and environmental factors at the place of use. However, due to the variety of application conditions, the general recommendations for the handling of cables listed below must only be considered as an auxiliary guidance in order to ensure failure-free operation of the cables for as long as possible.

- Never apply tensile or torsional loads to the cable (torsion-resistant cables available on request).
- Secure the cables, that accruing forces due to cable vibrations onto the connector are prevented.
- Always disconnect connections by pulling on the connector, not by pulling on the cable.
- Do not kink the cable (e.g. over sharp edges).
- Do not bend the cable with a lower radius than indicated (This also applies for storage; see [chapter 29 "Technical Data of Rexroth Cables" on page 523](#)).
- Do not subject cables to high temperature differences and extreme climatic conditions. Store cables dry and not outside.
- Always unwind cables, do not unreel over head
- Do not use damaged cables (e.g. damaged by pressure, clamping or squashing). In the case of visible damage, stop the plant and immediately exchange the cable.
- If you install motors in moist environment, install the cables as shown in the following figure:

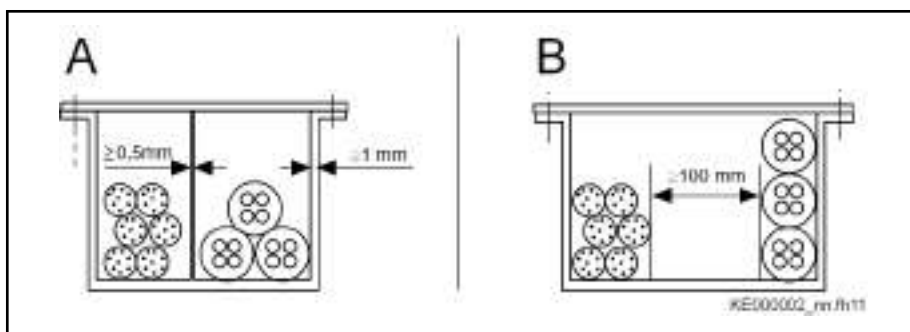


A Correct
B Not allowed

Fig. 6-1: Cable installation in moist environment

Assembly

Cable Layout



A Cable channel in metal design

B Cable channel in plastic design

Fig. 6-2: Versions of cable channels (laying of cables acc. to EMC)

- Do not position encoder/signal cables near radio frequency devices, magnetic fields (transformers, inductors, etc.) or power lines
- Ensure a spacing of at least 100 mm between power cables and control or signal cables (e.g. encoder cables). Otherwise, the cable channel must be metallically discharged.

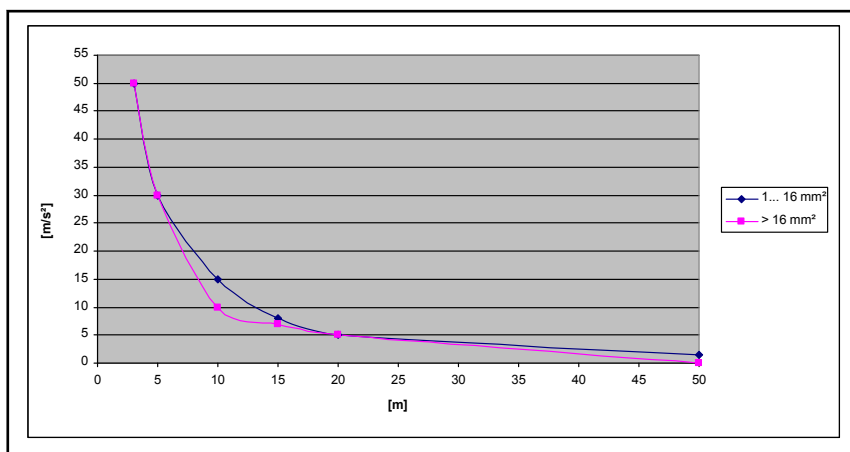
6.2 Installation Conditions for Drag Chains

Observe any basic rules to correctly mount cables into the cables. Install the cables into the drag chains with the utmost care. The wiring recommendations below are based on experience at Rexroth.



Please observe the installation recommendations of the drag chain manufacturers. The manufacturer of the machine/installation must bear the responsibility of the correct cable assembly.

- Do only use cables, which are suited for the use in drag chains (refer to [chapter 29 "Technical Data of Rexroth Cables" on page 523](#))
- Observe the notes regarding travel path, travel velocity and acceleration. Any changes of these parameter can influence the lifetime of the cable and a careful signaling cannot be ensured anymore. The single parameters influence each other. For example, the dependency is shown in the following figure:



[m/s²]

Acceleration

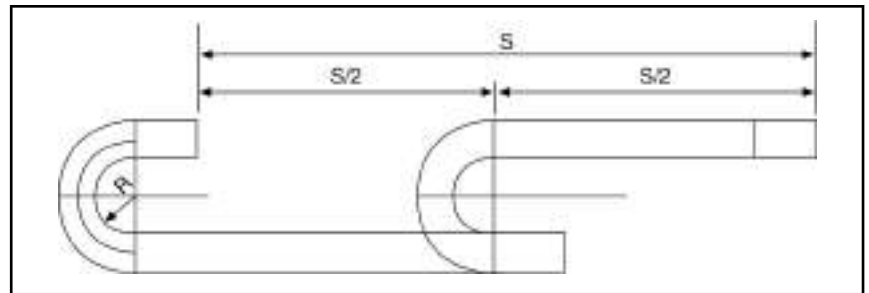
[m]

Travel path

Fig. 6-3:

Example for dependency of acceleration to travel path at a velocity of 5 m / s.

Assembly



S Travel path
R Bending radius

Fig. 6-4: Travel path

- The cable with the largest outer diameter determines the minimum bending radius of the drag chain
- The cables must be laid without tension or twist.
- Lay or hang out the cables before mounting, so that the twist can be re-formed. Exclude axial torsion of cables.



The printing on the cables can be spirally due to production-technical reasons around the lines. For this reason, it cannot be used as guideline for twist-free orientation of the cable.

- It is not allowed to cross cables with drag chains.
- Do not lay cables on top of one another within the drag chain
- The cables have to be laid so that they are freely movable in the area of the bending radius both in width and height. Avoid restricted guidance due to drag chains.
- The total cross-section of the drag chain or of the rack or hole segment must only be filled by maximum 8085 % (filling degree).

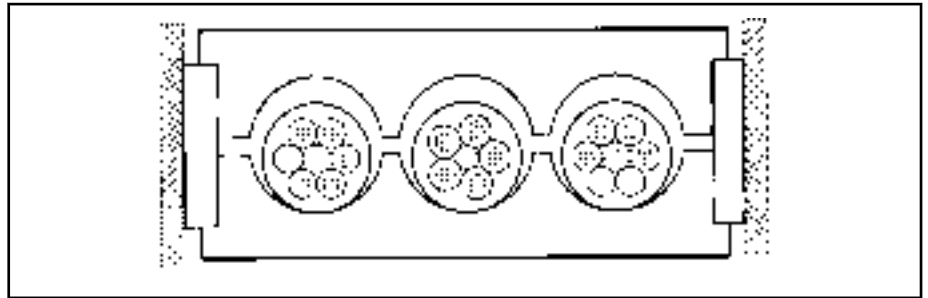


Fig. 6-5: Filling degree of drag chains

- Do not tie or fasten the cables within drag chains.
- Notice the symmetric weight distribution (heavy cables must be laid at the edges, light-weight ones in the middle)

Assembly

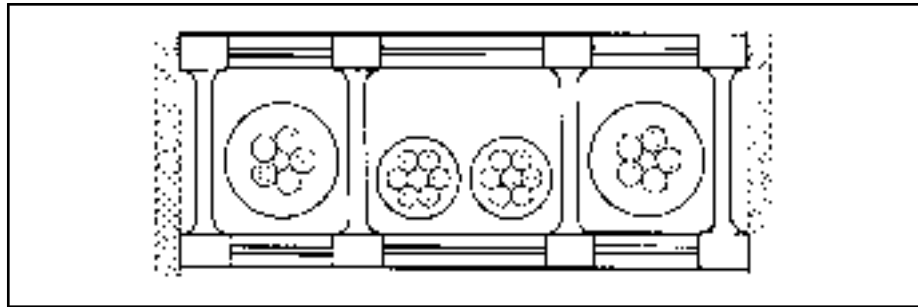


Fig. 6-6: Symmetrical distribution within drag chains

- At allocation of the drag chains with cables of different diameters ($> \pm 20\%$) use chains with divided rooms or racks. In the case of multi-layer installations mount separation bars among the tiers.

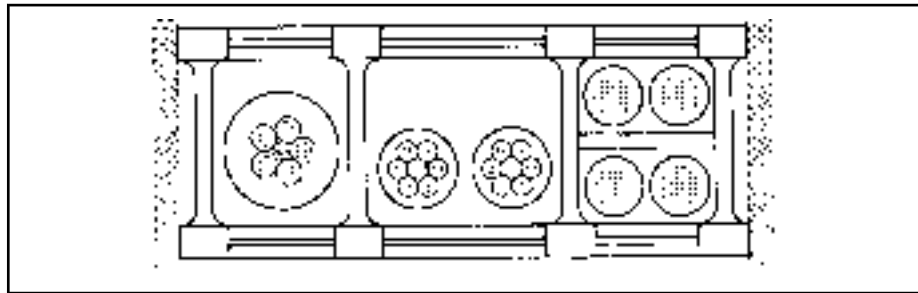


Fig. 6-7: Multi-layer installation of drag chains

- Before fastening the cable ends, operate the drag chain minimum 10 to 20 cycles to relax the cables and to bring them into a neutral position. After 24 hours operating time of the machine, do a lengths-readjustment of the cables
- Fasten the cables on both sides (carrier side and fix point). Minimum distance is $30 \times$ cable diameter measured from the endpoint of the bending motion. Fasten the cable only on the carrier side, at a travel path > 10 m.
- Do a widespread cable fastening over the outer jacket, i.e. the cable-wires (soul) must not be squeezed, but a drift of the cable must be prevented.
- Guide means, that the cable can move back and forward, but not lateral.
- After a short operation time, check the position of the cable. This control must be after drive and tension motion.

7 Selecting the Power Cable for IndraDyn S

7.1 MSK

The listing of all possible ready-made cables for motors with cable connection can be found:

RLS1101	chapter 11 "Power Cable - Connector RLS11xx" on page 49
RLS1201	chapter 12 "Power Cable - Connector RLS12xx " on page 53
RLS1301	chapter 13 "Power Cable - Connector RLS13xx " on page 59
RLK1201	chapter 17 "Power Cable - Terminal Box RLK12xx" on page 83
RLK1301	chapter 18 "Power Cable - Terminal Box RLK13xx" on page 89
RLK3100	chapter 21 "Power Cable - Terminal Box RZK31xx" on page 109

Type	Electrical Connection	Connection cable	Connection cable_100	Connection cable_S	Connection cable_L
MSK030B-0900-NN	A, B, U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK030C-0900-NN	A, B, U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK040B-0450-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK040B-0600-NN	A, B, U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK040C-0450-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK040C-0600-NN	A, B, U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK043C-0600-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK050B-0300-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK050B-0450-NN	A, B, U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK050B-0600-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK050C-0300-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK050C-0450-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK050C-0600-NN	A, B, U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK060B-0300-NN	A, B, U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK060B-0600-NN	A, B, U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---	---
MSK060C-0300-NN	A, B, U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---
MSK060C-0300-NN	A, B, U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---
MSK061B-0300-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---
MSK061C-0200-NN	A, B, U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---
MSK061C-0300-NN	A, B, U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---
MSK061C-0600-NN	A, B, U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---
MSK070C-0150-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK070C-0300-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK070C-0450-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	---
MSK070D-0150-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK070D-0300-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	---
MSK070D-0450-NN	A, B, U	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	---
MSK070E-0150-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK070E-0300-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	---
MSK070E-0301-NN	U	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	---
MSK070E-0450-NN	A, B, U	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	---

Selecting the Power Cable for IndraDyn S

Type	Electrical Connection	Connection cable	Connection cable_100	Connection cable_S	Connection cable_L
MSK071C-0200-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK071C-0300-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK071C-0302-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK071C-0450-FN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---	RLS1201-2.5 mm ²
MSK071C-0450-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK071D-0200-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK071D-0202-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK071D-0300-FN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---	RLS1201-2.5 mm ²
MSK071D-0300-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---	---
MSK071D-0450-FN	A, B, U	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	---	RLS1201-6.0 mm ²
MSK071D-0450-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	---
MSK071E-0200-FN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---	RLS1201-2.5 mm ²
MSK071E-0200-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK071E-0202-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK071E-0300-FN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---	RLS1201-4.0 mm ²
MSK071E-0300-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	---
MSK071E-0303-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	---
MSK071E-0450-FN	A, B, U	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	---	RLS1201-6.0 mm ²
MSK071E-0450-NN	A, B, U	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	RLS1201-6.0 mm ²	---
MSK071F-0202-FN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---	RLS1201-2.5 mm ²
MSK071F-0202-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	---
MSK071F-0302-FN	A, B, U	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	---	RLS1201-4.0 mm ²
MSK071F-0302-NN	A, B, U	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	---
MSK075C-0200-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	---
MSK075C-0300-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK075C-0450-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	---
MSK075D-0200-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK075D-0300-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	---
MSK075D-0450-NN	U	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	---
MSK075E-0200-NN	U	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	RLS1201-1.5 mm ²	---
MSK075E-0300-FN	A, B, U	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	---	RLS1201-4.0 mm ²
MSK075E-0300-NN	U	RLS1201-1.5 mm ²	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	---
MSK075E-0450-FN	U	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	---	RLS1201-6.0 mm ²
MSK075E-0450-NN	U	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	RLS1201-4.0 mm ²	---
MSK076C-0300-NN	U	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	RLS1101-1.0 mm ²	---
MSK076C-0450-NN	U	RLS1101-1.0 mm ²	RLS1101-1.5 mm ²	RLS1108-2.5 mm ²	---
MSK100A-0200-NN	A, B, L, R	RLS1301-1.5 mm ²	RLS1301-1.5 mm ²	RLS1301-1.5 mm ²	---
MSK100A-0300-NN	A, B, L, R	RLS1301-1.5 mm ²	RLS1301-1.5 mm ²	RLS1301-1.5 mm ²	---
MSK100A-0450-NN	A, B, L, R	RLS1301-1.5 mm ²	RLS1301-1.5 mm ²	RLS1301-2.5 mm ²	---
MSK100B-0200-NN	A, B, L, R	RLS1301-1.5 mm ²	RLS1301-2.5 mm ²	RLS1301-2.5 mm ²	---
MSK100B-0300-NN	A, B, L, R	RLS1301-2.5 mm ²	RLS1301-2.5 mm ²	RLS1301-4.0 mm ²	---
MSK100B-0400-NN	A, B, L, R	RLS1301-4.0 mm ²	RLS1301-6.0 mm ²	RLS1301-6.0 mm ²	---
MSK100B-0450-NN	A, B, L, R	RLS1301-4.0 mm ²	RLS1301-6.0 mm ²	RLS1301-10.0 mm ²	---

Selecting the Power Cable for IndraDyn S

Type	Electrical Connection	Connection cable	Connection cable_100	Connection cable_S	Connection cable_L
MSK100C-0200-NN	A, B, L, R	RLS1301-2.5 mm²	RLS1301-2.5 mm²	RLS1301-4.0 mm²	---
MSK100C-0300-NN	A, B, L, R	RLS1301-2.5 mm²	RLS1301-4.0 mm²	RLS1301-6.0 mm²	---
MSK100C-0301-NN	A, B, L, R	RLS1301-2.5 mm²	RLS1301-4.0 mm²	---	---
MSK100C-0450-NN	A, B, L, R	RLS1301-6.0 mm²	RLS1301-10.0 mm²	RLS1301-10.0 mm²	---
MSK100D-0200-NN	A, B, L, R	RLS1301-1.5 mm²	RLS1301-1.5 mm²	RLS1301-2.5 mm²	---
MSK100D-0202-NN	A, B, L, R	RLS1301-1.5 mm²	RLS1301-1.5 mm²	RLS1301-2.5 mm²	---
MSK100D-0300-FN	A, B, L, R	RLS1301-2.5 mm²	RLS1301-4.0 mm²	---	RLS1301-10.0 mm²
MSK100D-0300-NN	A, B, L, R	RLS1301-2.5 mm²	RLS1301-4.0 mm²	RLS1301-6.0 mm²	---
MSK100D-0350-NN	A, B, L, R	RLS1301-6.0 mm²	RLS1301-6.0 mm²	RLS1301-10.0 mm²	---
MSK101C-0200-FN	A, B, L, R	RLS1301-1.5 mm²	RLS1301-2.5 mm²	---	RLS1301-4.0 mm²
MSK101C-0200-NN	A, B, L, R	RLS1301-1.5 mm²	RLS1301-2.5 mm²	RLS1301-2.5 mm²	---
MSK101C-0200-NN	F	-	---	RLK3101-2.5 mm²	---
MSK101C-0202-NN	A, B, L, R	RLS1301-1.5 mm²	RLS1301-2.5 mm²	RLS1301-2.5 mm²	---
MSK101C-0202-NN	F	-	---	RLK3101-2.5 mm²	---
MSK101C-0300-FN	A, B, L, R	RLS1301-2.5 mm²	RLS1301-2.5 mm²	---	RLS1301-6.0 mm²
MSK101C-0300-NN	A, B, L, R	RLS1301-2.5 mm²	RLS1301-2.5 mm²	RLS1301-4.0 mm²	---
MSK101C-0300-NN	F	-	---	RLK3101-4.0 mm²	---
MSK101C-0301-NN	A, B, L, R	RLS1301-2.5 mm²	RLS1301-2.5 mm²	RLS1301-4.0 mm²	---
MSK101C-0450-NN	A, B, L, R	RLS1301-4.0 mm²	RLS1301-4.0 mm²	RLS1301-6.0 mm²	---
MSK101D-0200-FN	A, B, L, R	RLS1301-2.5 mm²	RLS1301-4.0 mm²	---	RLS1301-10.0 mm²
MSK101D-0200-NN	A, B, L, R	RLS1301-2.5 mm²	RLS1301-4.0 mm²	RLS1301-6.0 mm²	---
MSK101D-0202-NN	A, B, L, R	RLS1301-2.5 mm²	RLS1301-4.0 mm²	RLS1301-6.0 mm²	---
MSK101D-0202-NN	F	-	---	RLK3101-6.0 mm²	---
MSK101D-0300-FN	A, B, L, R	RLS1301-6.0 mm²	RLS1301-6.0 mm²	---	RLS1301-16.0 mm²
MSK101D-0300-NN	A, B, L, R	RLS1301-6.0 mm²	RLS1301-6.0 mm²	RLS1301-10.0 mm²	---
MSK101D-0300-NN	F	-	---	RLK3101-10.0 mm²	---
MSK101D-0450-FN	A, B, L, R	RLS1301-10.0 mm²	RLS1301-10.0 mm²	---	RLS1301-25.0 mm²
MSK101D-0450-NN	A, B, L, R	RLS1301-10.0 mm²	RLS1301-10.0 mm²	RLS1301-16.0 mm²	---
MSK101E-0200-FN	A, B, L, R	RLS1301-6.0 mm²	RLS1301-10.0 mm²	---	RLS1301-16.0 mm²
MSK101E-0200-NN	A, B, L, R	RLS1301-6.0 mm²	RLS1301-10.0 mm²	RLS1301-10.0 mm²	---
MSK101E-0202-NN	A, B, L, R	RLS1301-6.0 mm²	RLS1301-10.0 mm²	RLS1301-10.0 mm²	---
MSK101E-0202-NN	F	-	---	RLK3101-10.0 mm²	---
MSK101E-0300-FN	A, B, L, R	RLS1301-10.0 mm²	RLS1301-10.0 mm²	---	RLS1301-25.0 mm²
MSK101E-0300-NN	A, B, L, R	RLS1301-10.0 mm²	RLS1301-10.0 mm²	RLS1301-16.0 mm²	---
MSK101E-0300-NN	F	-	---	RLK3101-16.0 mm²	---
MSK101E-0450-FN	A, B, L, R	RLS1301-16.0 mm²	RLS1301-16.0 mm²	---	RLS1301-35.0 mm²
MSK101E-0450-NN	A, B, L, R	RLS1301-16.0 mm²	RLS1301-16.0 mm²	RLS1301-25.0 mm²	---
MSK101F-0202-NN	A, B, L, R	RLS1301-6.0 mm²	RLS1301-10.0 mm²	RLS1301-16.0 mm²	---
MSK101F-0202-NN	F	-	---	RLK3101-16.0 mm²	---
MSK101F-0300-NN	A, B, L, R	RLS1301-10.0 mm²	RLS1301-16.0 mm²	RLS1301-16.0 mm²	---
MSK101F-0302-NN	A, B, L, R	RLS1301-10.0 mm²	RLS1301-16.0 mm²	RLS1301-16.0 mm²	---
MSK101F-0302-NN	F	-	---	RLK3101-16.0 mm²	---
MSK103A-0300-NN	U	RLS1108-2.5 mm²	RLS1108-2.5 mm²	---	---

Selecting the Power Cable for IndraDyn S

Type	Electrical Connection	Connection cable	Connection cable_100	Connection cable_S	Connection cable_L
MSK103A-0302-NN	U	RLS1108-2.5 mm ²	RLS1108-2.5 mm ²	---	---
MSK103B-0300-NN	U	RLS1201-2.5 mm ²	RLS1201-2.5 mm ²	---	---
MSK103B-0302-NN	U	RLS1201-2.5 mm ²	RLS1201-2.5mm ²	---	---
MSK103D-0300-NN	U	RLS1201-4.0 mm ²	RLS1201-6.0 mm ²	---	---
MSK103D-0302-NN	U	RLS1201-4.0 mm ²	RLS1201-6.0 mm ²	---	---
MSK131B-0200-NN	A, B, L, R	RLS1301-6.0 mm ²	---	RLS1301-16.0 mm ²	---
MSK131D-0200-NN	A, B, L, R	RLS1301-16.0 mm ²	---	RLS1301-35.0 mm ²	---
MSK131D-0202-NN	A, B, L, R	RLS1301-16.0 mm ²	---	RLS1301-35.0mm ²	---
MSK131F-0202-NN	E	---	---	---	---
MSK133B-0202-SA	E	---	---	RLK1201-16.0mm ²	---
MSK133B-0203-FN	E	---	---	---	RLK1301-16.0mm ²
MSK133C-0202-SA	E	---	---	RLK1301-25.0mm ²	---
MSK133C-0203-FN	E	---	---	---	RLK1301-25.0mm ²
MSK133D-0202-SA	E	---	---	RLK1301-35.0mm ²	---
MSK133D-0203-FN	E	---	---	---	2× RLK1301-25.0mm ²
MSK133E-0202-SA	E	---	---	RLK1301-35.0mm ²	---
MSK133E-0203-FN	E	---	---	---	2× RLK1301-25.0mm ²

Tab. 7-1: Selection MSK power connection

Selecting the Power Cable for IndraDyn S

7.2 MKE Power Cable Selection

You will find ready-made cables for MKE motors in [chapter 27 "Power Cable - Terminal Box MKE" on page 137](#).

Type	Electrical Connection	Housing Type	Cable entry	Connection cable
MKE037B-144	A, B, L, R	U	NN	RLK21U1-1.0 mm²
MKE037B-144	B	E	NN	RLK2101-1.0 mm²
MKE047B-144	A, B, L, R	U	NN	RLK21U1-1.0 mm²
MKE047B-144	B	E	NN	RLK2101-1.0 mm²
MKE098B-047	A, B, L, R	U	NN	RLK22U1-1.0 mm²
MKE098B-047	B	E	NN	RLK2201-1.0 mm²
MKE098B-058	A, B, L, R	U	NN	RLK22U1-1.0 mm²
MKE098B-058	B	E	NN	RLK2201-1.0 mm²
MKE118B-024	K	E	4	RLK2301-2.5 mm²
MKE118B-024	K, R, L, U	U	N	RLK23U1-6.0 mm²
MKE118B-058	K	E	4	RLK2301-6.0 mm²
MKE118B-058	K	E	6	RLK2301-6.0 mm²
MKE118B-058	K, R, L, U	U	N	RLK23U1-6.0 mm²
MKE118D-012	K	E	4	RLK2301-2.5 mm²
MKE118D-012	K, R, L, U	U	N	RLK23U1-6.0 mm²
MKE118D-027	K	E	4	RLK2301-2.5 mm²
MKE118D-027	K, R, L, U	U	N	RLK23U1-6.0 mm²
MKE118D-035	K	E	6	RLK2301-6.0 mm²
MKE118D-035	K, R, L, U	U	N	RLK23U1-6.0 mm²
MKE118D-058	K	E	4	RLK2301-6.0 mm²
MKE118D-058	K	E	6	RLK2301-6.0 mm²
MKE118D-058	K, R, L, U	U	N	RLK23U1-6.0 mm²

Tab. 7-2: MKE power cable

Selecting the Power Cable for IndraDyn S

7.3 MSM

You will find ready-made cables for MSM motors in [chapter 16.1 "INS0751-0.75 mm²" on page 81](#).

Motor	Electrical Connection	Connection mode	Cable connection Dimension acc. to IEC
MSM019A-0300-NN	C	INS0757	INS0751-0.75 mm²
MSM019B-0300-NN	C	INS0757	INS0751-0.75 mm²
MSM031B-R300-NN	C	INS0757	INS0751-0.75 mm²
MSM031B-0300-NN	C	INS0757	INS0751-0.75 mm²
MSM031C-R300-NN	C	INS0757	INS0751-0.75 mm²
MSM031C-0300-NN	C	INS0757	INS0751-0.75 mm²
MSM041B-0300-NN	C	INS0757	INS0751-0.75 mm²

Tab. 7-3: Selection MSM power cables

8 Selection for IndraDyn A Power Cables

8.1 MAD

The listing of all possible ready-made cables can be found for motors with output direction:

A,B,L,R in	chapter 14 "Power Cable - Connector INS048x " on page 69
	chapter 15 "Power Cable - Connector INS038x" on page 75
D,E,G,H in	chapter 17 "Power Cable - Terminal Box RLK12xx" on page 83
	chapter 18 "Power Cable - Terminal Box RLK13xx" on page 89
	chapter 19 "Power Cable - Terminal Box RLK14xx" on page 97
	chapter 20 "Power Cable - Terminal Box RLK15xx" on page 103
F,K,S,T in	chapter 22 "Power Cable - Terminal Box Size 1 (RLK0003)" on page 111
	chapter 23 "Power Cable - Terminal Box Size 2 (RLK0004)" on page 115
	chapter 24 "Power Cable - Terminal Box Size 3 (RLK0005)" on page 121
	chapter 25 "Power Cable - Terminal Box Size 4 (RLK0006)" on page 129
	chapter 26 "Power Cable - Terminal Box Size 5 (RLK0007)" on page 135

Type	Electrical Connection	Connection cable
MAD100B-0050	A, B, L, R	INS0481-1.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-1.5 mm ²
MAD100B-0100	A, B, L, R	INS0481-1.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-1.5 mm ²
MAD100B-0150	A, B, L, R	INS0481-1.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-1.5 mm ²
MAD100B-0200	A, B, L, R	INS0481-1.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-1.5 mm ²
MAD100B-0250	A, B, L, R	INS0481-2.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-2.5 mm ²
MAD100C-0050	A, B, L, R	INS0481-1.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-1.5 mm ²
MAD100C-0100	A, B, L, R	INS0481-1.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-1.5 mm ²
MAD100C-0150	A, B, L, R	INS0481-2.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-2.5 mm ²
MAD100C-0200	A, B, L, R	INS0481-4.0 mm ²
	F, K, S, T	RLK0003-4.0 mm ²
	D, E, G, H	RLK1201-4.0 mm ²

Selection for IndraDyn A Power Cables

Type	Electrical Connection	Connection cable
MAD100C-0250	A, B, L, R	INS0481-4.0 mm ²
	F, K, S, T	RLK0003-4.0 mm ²
	D, E, G, H	RLK1201-4.0 mm ²
MAD100D-0050	A, B, L, R	INS0481-1.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-1.5 mm ²
MAD100D-0100	A, B, L, R	INS0481-2.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-2.5 mm ²
MAD100D-0150	A, B, L, R	INS0481-4.0 mm ²
	F, K, S, T	RLK0003-4.0 mm ²
	D, E, G, H	RLK1201-4.0 mm ²
MAD100D-0200	A, B, L, R	INS0481-4.0 mm ²
	F, K, S, T	RLK0003-4.0 mm ²
	D, E, G, H	RLK1201-4.0 mm ²
MAD100D-0250	A, B, L, R	INS0481-6.0 mm ²
	F, K, S, T	RLK0003-6.0 mm ²
	D, E, G, H	RLK1201-6.0 mm ²
MAD130B-0050	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0004-6.0 mm ²
	D, E, G, H	RLK1301-1.5 mm ²
MAD130B-0100	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0004-6.0 mm ²
	D, E, G, H	RLK1301-4.0 mm ²
MAD130B-0150	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0004-6.0 mm ²
	D, E, G, H	RLK1301-6.0 mm ²
MAD130B-0200	A, B, L, R	INS0381-10.0 mm ²
	F, K, S, T	RLK0004-10.0 mm ²
	D, E, G, H	RLK1301-10.0 mm ²
MAD130B-0250	A, B, L, R	INS0381-10.0 mm ²
	F, K, S, T	RLK0004-10.0 mm ²
	D, E, G, H	RLK1301-10.0 mm ²
MAD130B-Y150	N	RLK0001-10 mm ²
MAD130C-0050	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0004-6.0 mm ²
	D, E, G, H	RLK1301-2.5 mm ²
MAD130C-0100	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0004-6.0 mm ²
	D, E, G, H	RLK1301-6.0 mm ²
MAD130C-0150	A, B, L, R	INS0381-10.0 mm ²
	F, K, S, T	RLK0004-10.0 mm ²
	D, E, G, H	RLK1301-10.0 mm ²

Selection for IndraDyn A Power Cables

Type	Electrical Connection	Connection cable
MAD130C-0200	A, B, L, R	INS0381-16.0 mm ²
	F, K, S, T	RLK0004-16.0 mm ²
	D, E, G, H	RLK1301-16.0 mm ²
MAD130C-0250	A, B, L, R	INS0381-16.0 mm ²
	F, K, S, T	RLK0004-16.0 mm ²
	D, E, G, H	RLK1301-16.0 mm ²
MAD130C-Y050	H	RLK1301-6 mm ²
MAD130C-Y150	Z	RLK0004-25.0 mm ²
MAD130D-0050	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0004-6.0 mm ²
	D, E, G, H	RLK1301-4.0 mm ²
MAD130D-0100	A, B, L, R	INS0381-10.0 mm ²
	F, K, S, T	RLK0004-10.0 mm ²
	D, E, G, H	RLK1301-10.0 mm ²
MAD130D-0150	A, B, L, R	INS0381-16.0 mm ²
	F, K, S, T	RLK0004-16.0 mm ²
	D, E, G, H	RLK1301-16.0 mm ²
MAD130D-0200	A, B, L, R	INS0381-16.0 mm ²
	F, K, S, T	RLK0004-16.0 mm ²
	D, E, G, H	RLK1301-16.0 mm ²
MAD130D-0250	A, B, L, R	INS0381-25.0 mm ²
	F, K, S, T	RLK0004-25.0 mm ²
	D, E, G, H	RLK1301-25.0 mm ²
MAD160B-0050	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0005-6.0 mm ²
	D, E, G, H	RLK1301-4.0 mm ²
MAD160B-0100	A, B, L, R	INS0381-10.0 mm ²
	F, K, S, T	RLK0005-10.0 mm ²
	D, E, G, H	RLK1301-10.0 mm ²
MAD160B-0150	A, B, L, R	INS0381-16.0 mm ²
	F, K, S, T	RLK0005-16.0 mm ²
	D, E, G, H	RLK1301-16.0 mm ²
MAD160B-0200	A, B, L, R	INS0381-25.0 mm ²
	F, K, S, T	RLK0005-25.0 mm ²
	D, E, G, H	RLK1301-25.0 mm ²
MAD160B-Y040	H	RLK1301-6.0 mm ²
MAD160C-0050	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0005-6.0 mm ²
	D, E, G, H	RLK1301-4.0 mm ²
MAD160C-0100	A, B, L, R	INS0381-10.0 mm ²
	F, K, S, T	RLK0005-10.0 mm ²
	D, E, G, H	RLK1301-10.0 mm ²

Selection for IndraDyn A Power Cables

Type	Electrical Connection	Connection cable
MAD160C-0150	A, B, L, R	INS0381-25.0 mm ²
	F, K, S, T	RLK0005-25.0 mm ²
	D, E, G, H	RLK1301-25.0 mm ²
MAD160C-0200	A, B, L, R	INS0381-25.0 mm ²
	F, K, S, T	RLK0005-25.0 mm ²
	D, E, G, H	RLK1301-25.0 mm ²
MAD160C-Y040	H	RLK1301-6.0 mm ²
MAD180C-0050	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0006-6.0 mm ²
	D, E, G, H	RLK1401-6.0 mm ²
MAD180C-0100	A, B, L, R	INS0381-16.0 mm ²
	F, K, S, T	RLK0006-16.0 mm ²
	D, E, G, H	RLK1401-16.0 mm ²
MAD180C-0150	F, K, S, T	RLK0006-25.0 mm ²
	D, E, G, H	RLK1401-25.0 mm ²
MAD180C-0200	F, K, S, T	RLK0006-35.0 mm ²
	D, E, G, H	RLK1401-35.0 mm ²
MAD180C-Y070	H	RLK1401-35.0 mm ²
MAD180D-0050	F, K, S, T	RLK0006-10.0 mm ²
	D, E, G, H	RLK1401-10.0 mm ²
MAD180D-0100	F, K, S, T	RLK0006-25.0 mm ²
	D, E, G, H	RLK1401-25.0 mm ²
MAD180D-0150	F, K, S, T	RLK0006-35.0 mm ²
	D, E, G, H	RLK1401-35.0 mm ²
MAD180D-0200	F, K, S, T	2 x RLK0006-25.0 mm ²
	D, E, G, H	2 x RLK1401-25.0 mm ²
MAD180D-Y070	H	RLK1401-25.0mm ²
MAD225C-0050	F, K, S, T	RLK0007-25.0 mm ²
	D, E, G, H	RLK1501-25.0 mm ²
MAD225C-0100	F, K, S, T	2 x RLK0007-25.0 mm ²
	D, E, G, H	2 x RLK1501-25.0 mm ²
MAD225C-0150	F, K, S, T	2 x RLK0007-35.0 mm ²
	D, E, G, H	2 x RLK1501-35.0 mm ²

Tab. 8-1: Power cable MAD

Selection for IndraDyn A Power Cables

8.2 MAF

The listing of all possible ready-made cables can be found for motors with output direction:

A,B,L,R in	chapter 14 "Power Cable - Connector INS048x" on page 69
	chapter 15 "Power Cable - Connector INS038x" on page 75
D,E,G,H in	chapter 17 "Power Cable - Terminal Box RLK12xx" on page 83
	chapter 18 "Power Cable - Terminal Box RLK13xx" on page 89
	chapter 19 "Power Cable - Terminal Box RLK14xx" on page 97
	chapter 20 "Power Cable - Terminal Box RLK15xx" on page 103
F,K,S,T in	chapter 22 "Power Cable - Terminal Box Size 1 (RLK0003)" on page 111
	chapter 23 "Power Cable - Terminal Box Size 2 (RLK0004)" on page 115
	chapter 24 "Power Cable - Terminal Box Size 3 (RLK0005)" on page 121
	chapter 25 "Power Cable - Terminal Box Size 4 (RLK0006)" on page 129
	chapter 26 "Power Cable - Terminal Box Size 5 (RLK0007)" on page 135

Type	Electrical Connection	Connection cable
MAF100B-0050	A, B, L, R	INS0481-1.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-1.5 mm ²
MAF100B-0100	A, B, L, R	INS0481-1.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-1.5 mm ²
MAF100B-0150	A, B, L, R	INS0481-2.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-2.5 mm ²
MAF100B-0200	A, B, L, R	INS0481-4.0 mm ²
	F, K, S, T	RLK0003-4.0 mm ²
	D, E, G, H	RLK1201-4.0 mm ²
MAF100B-0250	A, B, L, R	INS0481-4.0 mm ²
	F, K, S, T	RLK0003-4.0 mm ²
	D, E, G, H	RLK1201-4.0 mm ²
MAF100C-0050	A, B, L, R	INS0481-1.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-1.5 mm ²
MAF100C-0100	A, B, L, R	INS0481-2.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-2.5 mm ²
MAF100C-0150	A, B, L, R	INS0481-4.0 mm ²
	F, K, S, T	RLK0003-4.0 mm ²
	D, E, G, H	RLK1201-4.0 mm ²
MAF100C-0200	A, B, L, R	INS0481-6.0 mm ²
	F, K, S, T	RLK0003-6.0 mm ²
	D, E, G, H	RLK1201-6.0 mm ²
MAF100C-0250	A, B, L, R	INS0481-10.0 mm ²
	F, K, S, T	RLK0003-10.0 mm ²
	D, E, G, H	RLK1201-10.0 mm ²

Selection for IndraDyn A Power Cables

Type	Electrical Connection	Connection cable
MAF100D-0050	A, B, L, R	INS0481-1.5 mm ²
	F, K, S, T	RLK0003-2.5 mm ²
	D, E, G, H	RLK1201-1.5 mm ²
MAF100D-0100	A, B, L, R	INS0481-4.0 mm ²
	F, K, S, T	RLK0003-4.0 mm ²
	D, E, G, H	RLK1201-4.0 mm ²
MAF100D-0150	A, B, L, R	INS0481-6.0 mm ²
	F, K, S, T	RLK0003-6.0 mm ²
	D, E, G, H	RLK1201-6.0 mm ²
MAF100D-0200	A, B, L, R	INS0481-10.0 mm ²
	F, K, S, T	RLK0003-10.0 mm ²
	D, E, G, H	RLK1201-10.0 mm ²
MAF100D-0250	A, B, L, R	INS0481-10.0 mm ²
	F, K, S, T	RLK0003-10.0 mm ²
	D, E, G, H	RLK1201-10.0 mm ²
MAF130B-0050	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0004-6.0 mm ²
	D, E, G, H	RLK1301-1.5 mm ²
MAF130B-0100	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0004-6.0 mm ²
	D, E, G, H	RLK1301-4.0 mm ²
MAF130B-0150	A, B, L, R	INS0381-10.0 mm ²
	F, K, S, T	RLK0004-10.0 mm ²
	D, E, G, H	RLK1301-10.0 mm ²
MAF130B-0200	A, B, L, R	INS0381-10.0 mm ²
	F, K, S, T	RLK0004-10.0 mm ²
	D, E, G, H	RLK1301-10.0 mm ²
MAF130B-0250	A, B, L, R	INS0381-16.0 mm ²
	F, K, S, T	RLK0004-16.0 mm ²
	D, E, G, H	RLK1301-16.0 mm ²
MAF130C-0050	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0004-6.0 mm ²
	D, E, G, H	RLK1301-2.5 mm ²
MAF130C-0100	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0004-6.0 mm ²
	D, E, G, H	RLK1301-6.0 mm ²
MAF130C-0150	A, B, L, R	INS0381-16.0 mm ²
	F, K, S, T	RLK0004-16.0 mm ²
	D, E, G, H	RLK1301-16.0 mm ²
MAF130C-0200	A, B, L, R	INS0381-16.0 mm ²
	F, K, S, T	RLK0004-16.0 mm ²
	D, E, G, H	RLK1301-16.0 mm ²

Selection for IndraDyn A Power Cables

Type	Electrical Connection	Connection cable
MAF130C-0250	A, B, L, R	INS0381-25.0 mm ²
	F, K, S, T	RLK0004-25.0 mm ²
	D, E, G, H	RLK1301-25.0 mm ²
MAF130D-0050	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0004-6.0 mm ²
	D, E, G, H	RLK1301-6.0 mm ²
MAF130D-0100	A, B, L, R	INS0381-10.0 mm ²
	F, K, S, T	RLK0004-10.0 mm ²
	D, E, G, H	RLK1301-10.0 mm ²
MAF130D-0150	A, B, L, R	INS0381-25.0 mm ²
	F, K, S, T	RLK0004-25.0 mm ²
	D, E, G, H	RLK1301-25.0 mm ²
MAF130D-0200	A, B, L, R	INS0381-25.0 mm ²
	F, K, S, T	RLK0004-25.0 mm ²
	D, E, G, H	RLK1301-25.0 mm ²
MAF130D-0250	F, K, S, T	2 x RLK0004-16.0 mm ²
	D, E, G, H	RLK1301-35.0 mm ²
MAF130E-0100	A, B, L, R	INS0381-25.0 mm ²
MAF160B-0050	A, B, L, R	INS0381-6.0 mm ²
	F, K, S, T	RLK0005-6.0 mm ²
	D, E, G, H	RLK1301-6.0 mm ²
MAF160B-0100	A, B, L, R	INS0381-25.0 mm ²
	F, K, S, T	RLK0005-25.0 mm ²
	D, E, G, H	RLK1301-25.0 mm ²
MAF160B-0150	A, B, L, R	INS0381-25.0 mm ²
	F, K, S, T	RLK0005-25.0 mm ²
	D, E, G, H	RLK1301-25.0 mm ²
MAF160B-0200	F, K, S, T	RLK0005-35.0 mm ²
	D, E, G, H	RLK1301-35.0 mm ²
MAF160C-0050	A, B, L, R	INS0381-10.0 mm ²
	F, K, S, T	RLK0005-10.0 mm ²
	D, E, G, H	RLK1301-10.0 mm ²
MAF160C-0100	A, B, L, R	INS0381-25.0 mm ²
	F, K, S, T	RLK0005-25.0 mm ²
	D, E, G, H	RLK1301-25.0 mm ²
MAF160C-0150	F, K, S, T	RLK0005-35.0 mm ²
	D, E, G, H	RLK1301-35.0 mm ²
MAF160C-0200	F, K, S, T	2 x RLK0005-25.0 mm ²
	D, E, G, H	2 x RLK1301-25.0 mm ²
MAF180C-0050	F, K, S, T	RLK0006-10.0 mm ²
	D, E, G, H	RLK1401-10.0 mm ²
MAF180C-0100	F, K, S, T	RLK0006-25.0 mm ²
	D, E, G, H	RLK1401-25.0 mm ²

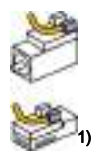
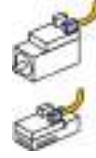
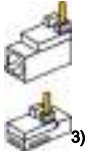
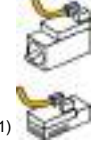
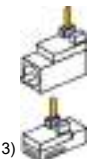
Selection for IndraDyn A Power Cables

Type	Electrical Connection	Connection cable
MAF180C-0150	F, K, S, T	2 x RLK0006-25.0 mm ²
	D, E, G, H	2 x RLK1401-25.0 mm ²
MAF180C-0200	F, K, S, T	2 x RLK0006-35.0 mm ²
	D, E, G, H	2 x RLK1401-35.0 mm ²
MAF180D-0050	F, K, S, T	RLK0006-16.0 mm ²
	D, E, G, H	RLK1401-16.0 mm ²
MAF180D-0100	F, K, S, T	RLK0006-35.0 mm ²
	D, E, G, H	RLK1401-35.0 mm ²
MAF180D-0150	F, K, S, T	2 x RLK0006-25.0 mm ²
	D, E, G, H	2 x RLK1401-25.0 mm ²
MAF180D-0200	F, K, S, T	2 x RLK0006-35.0 mm ²
	D, E, G, H	2 x RLK1401-35.0 mm ²
MAF225C-0050	F, K, S, T	RLK0007-35.0 mm ²
	D, E, G, H	RLK1501-35.0 mm ²
MAF225C-0100	F, K, S, T	2 x RLK1500-35.0 mm ²
	D, E, G, H	2 x RLK1501-35.0 mm ²
MAF225C-0150	F, K, S, T	2 x RLK0007-50.0 mm ²
	D, E, G, H	2 x RLK1501-50.0 mm ²

Tab. 8-2: MAF Power cables

9 Hybrid Cable Selection for IndraDrive Mi

9.1 KSM02; KMS02

Hybrid cable RKH (with different outgoing directions from connection point X103.1 and X103.2 at KSM and KMS)		 1)	 2)	 3)	
		X103.1	X103.1	X103.1	RKH0700
	KCU02	RKH0311	RKH0411	RKH0511	RKH0511
 1)	X103.2	RKH0011	RKH0111	RKH0213	RKH0213
 2)	X103.2	RKH0110	RKH0210	RKH0215	RKH0215
 3)	X103.2	RKH0212	RKH0214	RKH0610	RKH0610
	RKH0700	RKH0212	RKH0214	RKH0610	- 4)

1)

Outgoing direction "A"

2)

Outgoing direction "B"

3)

Outgoing direction "V"

4)

If you wish to connect two cables RKH0700 to each other, use a short cable RKH0610 as intermediate piece.

Tab. 9-1:

Hybrid Cables RKH

10 Select Encoder Cables

10.1 Rexroth Motors

Motor	Encoder	IndraDrive interface	Order number / interconnection diagram on page Direct connection
IndraDyn A MAD MAF	C0	EN2	RKG0014 / page 177
	S0 M0	EN1	Straight flange socket: IKS4042 / page 158 Angular flange socket: IKS4044 / page 159
	S2 M2	ENS/EC/ES	RKG4200 / page 207
	S6 M6	ENS/EC/ES	
IndraDyn S MKE037, 047, 098	A B	ENS/EC/ES	RKG0020 / page 180
IndraDyn S MKE118	C D	ENS/EC/ES	RKG0022 / page 182
IndraDyn S MSK	M1 M2 M3 S1 S2 S3	ENS/EC/ES	RKG4200 / page 207
IndraDyn S MSM	M0	EC	RKG0033 / page 193

Tab. 10-1: Connection cable (direct connection) for motor encoder - IndraDrive
You can find separable connection in chapter [10.3 Separable Connection](#)

Select Encoder Cables

10.2 Foreign Manufacturers

Encoder	Flange socket on encoder	IndraDrive interface	Order number / interconnection diagram on page Direct Connection
Absolute 5V EnDat	M23 - 17 pin union nut - socket	EC / ES	RKG0036 / page 196
	M23 - 17 pin union nut - socket	EN2	IKS4038 / page 155
	M23 - 17 pin union nut - socket	EN2	RKG0004 / page 171
	M23 - 17 pin union nut - socket	EN2	RKG0006 / page 172
	M23 - 17 pin union nut - socket	EN2	RKG0011 / page 175
Absolute 5 V SSI	M23 - 12 pin - external thread - socket	MD2	RKG4400 / page 212
Absolute 12V EnDat	M23 - 10 pin union nut - socket	ENS/EC/ES	RKG4200 / page 207
	M23 - 10 pin union nut - socket	ENS/EC/ES	RKG4200 / page 207
	M23 - 10 pin union nut - socket	ENS/EC/ES	RKG4202 / page 209
Absolute 12V Hiperface	M23 - 10 pin union nut - socket	ENS/EC/ES	RKG4200 / page 207
	M23 - 10 pin union nut - socket	ENS/EC/ES	RKG4200 / page 207
	M23 - 10 pin union nut - socket	ENS/EC/ES	RKG4202 / page 209
	D1000 - 8 pin - socket	ENS/EC/ES	RKG0047 / page 201
Incremental 5V 1Vss	M23 - 12 pin union nut - socket	EC / ES	RKG0035 / page 195
	M23 - 12 pin union nut - socket	EN2	RKG0026 / page 186
	M23 - 17 pin union nut - socket	EN2	RKG0013 / page 176
	M23 - 17 pin union nut - socket	EN2	RKG0014 / page 177
	M23 - 17 pin union nut - socket	EN2	IKS40xx / page 152
	M23 - 17 pin union nut - socket	EN2	RKG0015 / page 178
	M23 - 12 pin - external thread - socket	EN2	RKG0031 / page 191
	M23 - 12 pin - external thread - socket	EN2	IKS4040 / page 157
Incremental 5V TTL	M23 - 12 pin union nut - socket	EN2	IKS4039 / page 156
Incremental 12V 1Vss	M23 - 12 pin union nut - socket	ENS/EC/ES	RKG0017 / page 179
MEM 1Vss	D-sub - 15 pin	AEH	RKG0025 / page 185
	D-sub - 15 pin	EN2	RKG0024 / page 184
SHL box	M23 - 12 pin union nut - socket	ENS	RKG0027 / page 187
not known	Free connection (open end WEF)	EN2	RKG0030 / page 190
	Free connection (open end WEF)	ENS/EC/ES	RKG0029 / page 189

Tab. 10-2: Connection cable (direct connection) for encoders of foreign manufacturers

You can find separable connection in chapter [10.3 Separable Connection](#)

10.3 Separable Connection

separable encoder cable (direct connection)	Connection motor	Procedure	Connection controller
IKS4042	IKS4376	-	IKS4042
IKS4044	IKS4377	-	IKS4042
IKS4042	IKS4065	INS0518	IKS4042
IKS4044	IKS4066	INS0518	IKS4042
RKG0014	RKG0028	-	RKG0014
RKG4200	RKG4201		RKG4200
RKG4200	RKG4201	RGS1005	RKG4200
RKG4202	RKG4201		RKG4202
RKG4202	RKG4201	RGS1005	RKG4202
RKG0020	RKG0021		RKG4200
RKG0020	RKG0021	RGS1005	RKG4200
RKG0022	RKG0023		RKG4200
RKG0022	RKG0023	RGS1005	RKG4200
RKG0033	RKG0034		RKG0033
RKG0033	RKG0034	SUP-E01-MSM-BATTERYBOX	RKG0033
RKG0041	RKG0034	-	RKG0041
IKS0223	IKS0204	-	IKS4042
IKS0226	IKS0227	-	IKS4042
IKS0223	IKS0206	INS0518	IKS4042
IKS0226	IKS0228	INS0518	IKS4042
IKS4039	IKS4007	-	IKS4039
RKG0026	RKG0032	-	RKG0026
RKG0035	RKG0032	-	RKG0035
RKG0035	IKS4388	-	RKG0035
RKG0017	□		
RKG0027	□		
RKG0013	□		
IKS4051	□		
RKG0015	□		
RKG0016	□		
IKS4038	IKS4191	-	IKS4038
IKS4038	IKS4012	INS0627	IKS4038
RKG0004	□		
RKG0011	□		
RKG0006	□		
RKG0036	RKG0037	-	RKG0036
RKG0036	RKG0038	INS0627	RKG0036
RKG0030	□		
RKG0029	□		
RKG0031	RKG0019	-	RKG0031
IKS4040	RKG0019	-	IKS4040
RKG4400	RKG4401	-	RKG4400
RKG0024	□		
RKG0025	□		

Select Encoder Cables

separable encoder cable (direct connection)	Connection motor	Procedure	Connection controller
RKG0040	□		
RKG0047	□		

-

□

Not possible
possible on request

Tab. 10-3:

Connection cables (separable connections) for Rexroth motors and foreign manufacturers

11 Power Cable - Connector RLS11xx

11.1 RLS1101-1.0 mm²



Ordering designation	Interconnection gram	dia- Separable Connection	Connection IndraDrive
RKL4303	RKL4303 / page 285	⇒ Fig. 11-4	● RLS0721
RKL4302	RKL4302 / page 284	⇒ Fig. 11-4	● RLS0722
RKL0014	RKL0014 / page 250	⇒ Fig. 11-4	● RLS0745
RKL0019	RKL0019 / page 255	⇒ Fig. 11-4	● RLS0746
RKL0053	RKL0053 / page 271	⇒ Fig. 11-4	● RLS0749
RKL4305	RKL4305 / page 287	⇒ Fig. 11-4	● RLS1102

● RLS0721

HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-W0054

● RLS0722

HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

● RLS0745

HCS01.1E-W0003
HCS01.1E-W0005
HCS01.1E-W0006
HCS01.1E-W0008
HCS01.1E-W0009
HCS01.1E-W0013

● RLS0746

HCS01.1E-W0018
HCS01.1E-W0028

● RLS0749

HCS01.1E-W0054

● RLS1102

KMS01.2
KMS02.1

Tab. 11-1: RLS1101 - 1.0 mm²

Power Cable - Connector RLS11xx

11.2 RLS1101-1.5 mm²



Ordering designation	Interconnection gram	dia- Separable connection	Connection IndraDrive
RKL4301	RKL4301 / page 283	⇒ Fig. 11-4	● RLS0721
RKL4300	RKL4300 / page 282	⇒ Fig. 11-4	● RLS0722
RKL0015	RKL0015 / page 251	⇒ Fig. 11-4	● RLS0745
RKL4304	RKL4304 / page 286	⇒ Fig. 11-4	● RLS1102

● RLS0721

HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-W0054

● RLS0722

HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

● RLS0745

HCS01.1E-W0003
HCS01.1E-W0005
HCS01.1E-W0006
HCS01.1E-W0008
HCS01.1E-W0009
HCS01.1E-W0013

■ RLS1102

KMS01.2
KMS02.1

Tab. 11-2: RLS1101 - 1.5 mm²

11.3 RLS1108-2.5 mm²



Ordering designation	Interconnection gram	dia-	Separable connection	Connection IndraDrive
RKL4346	RKL4346 / page 328		⇒ Fig. 11-4	● RLS0721
RKL4345	RKL4345 / page 327		⇒ Fig. 11-4	● RLS0722
RKL0046	RKL00xx / page 246		⇒ Fig. 11-4	● RLS0746
RKL0057	RKL0057 / page 275		⇒ Fig. 11-4	● RLS0749

● **RLS0721**
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-W0054

● **RLS0722**
HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

● **RLS0746**
HCS01.1E-W0018
HCS01.1E-W0028

● **RLS0749**
HCS01.1E-W0054

Tab. 11-3: RLS1108 - 2.5 mm²

Power Cable - Connector RLS11xx

11.4 Power Cable with RLS11xx for Separable Connections

RLS110x - INK06xx - RLS110x



Ordering designation	Cross section [mm²]	Interconnection diagram
RKL4305	1.0	RKL4305 / page 287
RKL4304	1.5	RKL4304 / page 286
RKL4347	2.5	RKL4347 / page 329

Power cable - bulk head for RLS11xx series



Ordering designation	Cross section [mm²]
RLS1105	1.0...2.5

Tab. 11-4: RLS11xx separable connection, bulkhead connector

12 Power Cable - Connector RLS12xx

12.1 RLS1201-1.5 mm²



Ordering designation	Interconnection gram	dia- Separable connection	Connection IndraDrive
RKL4307	RKL4307 / page 289	⇒ Fig. 12-5	● RLS0721
RKL4306	RKL4306 / page 288	⇒ Fig. 12-5	● RLS0722
RKL0016	RKL0016 / page 252	⇒ Fig. 12-5	● RLS0745
RKL0017	RKL0017 / page 253	⇒ Fig. 12-5	● RLS0746
RKL0050	RKL0050 / page 268	⇒ Fig. 12-5	● RLS0749

● RLS0721

HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-W0054

● RLS0722

HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

● RLS0745

HCS01.1E-W0003
HCS01.1E-W0005
HCS01.1E-W0006
HCS01.1E-W0008
HCS01.1E-W0009
HCS01.1E-W0013

● RLS0746

HCS01.1E-W0018
HCS01.1E-W0028

● RLS0749

HCS01.1E-W0054

Tab. 12-1: RLS1201 - 1.5 mm²

Power Cable - Connector RLS12xx

12.2 RLS1201-2.5 mm²



Ordering designation	Interconnection gram	dia- Separable connection	Connection IndraDrive
RKL4309	RKL4309 / page 291	⇒ Fig. 12-5	● RLS0721
RKL4308	RKL4308 / page 290	⇒ Fig. 12-5	● RLS0722
RKL4310	RKL4310 / page 292	⇒ Fig. 12-5	● RLS0723
RKL0018	RKL0018 / page 254	⇒ Fig. 12-5	● RLS0746
RKL0052	RKL0052 / page 270	⇒ Fig. 12-5	● RLS0749

● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210	● RLS0746 HCS01.1E-W0018 HCS01.1E-W0028	● RLS0749 HCS01.1E-W0054
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Tab. 12-2: RLS1201 - 2.5 mm²

12.3 RLS1201-4.0 mm²



Ordering designation	Interconnection gram	dia-	Separable connection	Connection IndraDrive
RKL4314	RKL4314 / page 296		⇒ Fig. 12-5	● RLS0721
RKL4313	RKL4313 / page 295		⇒ Fig. 12-5	● RLS0722
RKL4315	RKL4315 / page 297		⇒ Fig. 12-5	● RLS0723
RKL0058	RKL0058 / page 276		⇒ Fig. 12-5	● RLS0749

● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210	● RLS0749 HCS01.1E-W0054
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Tab. 12-3: RLS1201 - 4.0 mm²

Power Cable - Connector RLS12xx

12.4 RLS1201-6.0 mm²



Ordering designation	Interconnection gram	dia- Separable Connection	Connection IndraDrive
RKL4317	RKL4317 / page 299	⇒ Fig. 12-5	● RLS0721
RKL4318	RKL4318 / page 300	⇒ Fig. 12-5	● RLS0723
RKL0049	RKL0049 / page 267	⇒ Fig. 12-5	● RLS0749

● **RLS0721**
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-W0054

● **RLS0723**
HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210

● **RLS0749**
HCS01.1E-W0054

Tab. 12-4: RLS1201 - 6.0 mm²

12.5 Power Cable with RLS12xx for Separable Connections

[RLS1201](#) - [INKxxxx](#) - [RLS1202](#)



Ordering designation	Cross section [mm²]	Interconnection diagram
RKL4311	1.5	RKL4311 / page 293
RKL4312	2.5	RKL4312 / page 294
RKL4316	4.0	RKL4316 / page 298
RKL4319	6.0	RKL4319 / page 301

Power cable - bulk head for RLS12xx series



Ordering designation	Cross section [mm²]
RLS1205	1.5 ... 10.0

Tab. 12-5: RLS12xx separable connection, bulkhead connector

13 Power Cable - Connector RLS13xx

13.1 RLS1301-1.5 mm²



Ordering designation	Interconnection gram	dia- Separable Connection	Connection IndraDrive
RKL4320	RKL4320 / page 302	⇒ Fig. 13-9	● RLS0721
RKL4325	RKL4325 / page 307	⇒ Fig. 13-9	● RLS0722
RKL0045	RKL0045 / page 264	⇒ Fig. 13-9	● RLS0746
RKL0054	RKL0054 / page 272	⇒ Fig. 13-9	● RLS0749

● RLS0721

HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-W0054

● RLS0722

HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

● RLS0746

HCS01.1E-W0018
HCS01.1E-W0028

● RLS0749

HCS01.1E-W0054

Tab. 13-1: RLS1301 - 1.5 mm²

Power Cable - Connector RLS13xx

13.2 RLS1301-2.5 mm²



Ordering designation	Interconnection gram	dia- Separable connection	Connection IndraDrive
RKL4321	RKL4321 / page 303	⇒ Fig. 13-9	● RLS0721
RKL4326	RKL4326 / page 308	⇒ Fig. 13-9	● RLS0722
RKL4343	RKL4343 / page 325	⇒ Fig. 13-9	● RLS0723
RKL0051	RKL0051 / page 269	⇒ Fig. 13-9	● RLS0749

● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210	● RLS0749 HCS01.1E-W0054
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Tab. 13-2: RLS1301 - 2.5 mm²

13.3 RLS1301-4.0 mm²



Ordering designation	Interconnection gram	dia- Separable Connection	Connection IndraDrive
RKL4322	RKL4322 / page 304	⇒ Fig. 13-9	● RLS0721
RKL4327	RKL4327 / page 309	⇒ Fig. 13-9	● RLS0722
RKL0056	RKL0056 / page 274	⇒ Fig. 13-9	● RLS0749

● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0749 HCS01.1E-W0054
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Tab. 13-3: RLS1301 - 4.0 mm²

Power Cable - Connector RLS13xx

13.4 RLS1301-6.0 mm²



Ordering designation	Interconnection gram	dia- Separable Connection	Connection IndraDrive
RKL4323	RKL4323 / page 305	⇒ Fig. 13-9	● RLS0721
RKL4328	RKL4328 / page 310	⇒ Fig. 13-9	● RLS0723
RKL0055	RKL0055 / page 273	⇒ Fig. 13-9	● RLS0749

● **RLS0721**
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-W0054

● **RLS0723**
HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210

● **RLS0749**
HCS01.1E-W0054

Tab. 13-4: RLS1301 - 6.0 mm²

13.5 RLS1301-10.0 mm²



Ordering designation	Interconnection gram	dia- Separable Connection	Connection IndraDrive
RKL4324	RKL4324 / page 306	⇒ Fig. 13-9	● RLS0721
RKL4329	RKL4329 / page 311	⇒ Fig. 13-9	● RLS0723

● **RLS0721**
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-W0054

● **RLS0723**
HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210

Tab. 13-5: RLS1301 - 10.0 mm²

Power Cable - Connector RLS13xx

13.6 RLS1301-16.0 mm²



Ordering designation	Interconnection gram	dia- Separable Connection	Connection IndraDrive
RKL4344	RKL4344 / page 326	⇒ Fig. 13-9	● RLS0721
RKL4330	RKL4330 / page 312	⇒ Fig. 13-9	● RLS0723
RKL4349	RKL4349 / page 330	⇒ Fig. 13-9	● RLS0724
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-W0054	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210	● RLS0724 HCS03.1E-W0210	

Tab. 13-6: RLS1301 - 16.0 mm²

Power Cable - Connector RLS13xx

13.7 RLS1301-25.0 mm²



Ordering designation	Interconnection gram	dia- Separable Connection	Connection IndraDrive
RKL4331	RKL4331 / page 313	⇒ Fig. 13-9	● RLS0723
RKL4333	RKL4333 / page 315	⇒ Fig. 13-9	● RLS0724
RKL4785	RKL4785 / page 486	⇒ Fig. 13-9	● RLS0727
● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	

Tab. 13-7: RLS1301 - 25.0 mm²

Power Cable - Connector RLS13xx

13.8 RLS1301-35.0 mm²



Ordering designation	Interconnection gram	dia- Separable connection	Connection IndraDrive
RKL4332	RKL4332 / page 314	⇒ Fig. 13-9	● RLS0723
RKL4334	RKL4334 / page 316	⇒ Fig. 13-9	● RLS0724
RKL4783	RKL4783 / page 484	⇒ Fig. 13-9	● RLS0727
● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	

Tab. 13-8: RLS1301 - 35.0 mm²

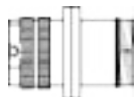
13.9 Power Cable with RLS13xx for Separable Connections

RLS1301 - INKxxxx - RLS1302



Ordering designation	Cross section [mm²]	Interconnection diagram
RKL4335	1.5	RKL4335 / page 317
RKL4336	2.5	RKL4336 / page 318
RKL4337	4.0	RKL4337 / page 319
RKL4338	6.0	RKL4338 / page 320
RKL4339	10.0	RKL4339 / page 321
RKL4340	16.0	RKL4340 / page 322
RKL4341	25.0	RKL4341 / page 323
RKL4342	35.0	RKL4342 / page 324

Power cable - bulk head for RLS13xx series



NOTE

Material damage due to excess current

The bulkhead connector is designed for maximal 93.9 A. Avoid damage due to excess current (current limitation).

Ordering designation	Cross section [mm²]
RLS1305	1.0 ... 25.0

Tab. 13-9: RLS13xx separable connection, bulkhead connector

14 Power Cable - Connector INS048x

14.1 INS0481-1.5 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
IKG4115	IKG4115 / page 219	⇒ Fig. 14-6	● RLS0721
IKG4140	IKG4140 / page 226	⇒ Fig. 14-6	● RLS0722
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210 ● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Tab. 14-1: INS0481 - 1.5 mm²

Power Cable - Connector INS048x

14.2 INS0481-2.5 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive	
IKG4116	IKG4116 / page 220	⇒ Fig. 14-6	● RLS0721	
IKG4139	IKG4139 / page 225	⇒ Fig. 14-6	● RLS0722	
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Tab. 14-2: INS0481 - 2.5 mm²

14.3 INS0481-4.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive	
IKG4117	IKG4117 / page 221	⇒ Fig. 14-6	● RLS0721	
IKG4177	IKG4177 / page 241	⇒ Fig. 14-6	● RLS0722	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 14-3: INS0481 - 4.0 mm²

Power Cable - Connector INS048x

14.4INS0481-6.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive	
IKG4118	IKG4118 / page 222	⇒ Fig. 14-6	● RLS0721	
IKG4215	IKG4215 / page 244	⇒ Fig. 14-6	● RLS0723	
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Tab. 14-4:INS0481 - 6.0 mm²

14.5 INS0481-10.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive	
IKG4175	IKG4175 / page 239	⇒ Fig. 14-6	● RLS0721	
IKG4169	IKG4169 / page 235	⇒ Fig. 14-6	● RLS0723	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 14-5: INS0481 - 10.0 mm²

Power Cable - Connector INS048x

14.6
 Power Cable with INS048xx for Separable Connections

INS0481 - INK06xx - INS0482



Ordering designation	Cross section [mm²]	Interconnection diagram
IKG4051	1.5	IKG4051 / page 215
IKG4061	2.5	IKG4061 / page 216
IKG4081	4.0	IKG4081 / page 217
IKG4101	6.0	IKG4101 / page 218
IKG4121	10.0	IKG4121 / page 223

Tab. 14-6:
 INS0481 Separable connection

15 Power Cable - Connector INS038x

15.1 INS0381-6.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive	
IKG4136	IKG4136 / page 224	⇒ Fig. 15-6	● RLS0721	
IKG4155	IKG4155 / page 232	⇒ Fig. 15-6	● RLS0723	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 15-1: INS0381 - 6.0 mm²

Power Cable - Connector INS038x

15.2 INS0381-10.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive	
IKG4176	IKG4176 / page 240	⇒ Fig. 15-6	● RLS0721	
IKG4168	IKG4168 / page 234	⇒ Fig. 15-6	● RLS0723	
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Tab. 15-2: INS0381 - 10.0 mm²

15.3 INS0381-16.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive	
IKG4172	IKG4172 / page 236	⇒ Fig. 15-6	● RLS0723	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 15-3: INS0381 - 16.0 mm²

Power Cable - Connector INS038x

15.4INS0381-25.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive	
IKG4173	IKG4173 / page 237	⇒ Fig. 15-6	● RLS0723	
RKL4620	RKL4620 / page 397	⇒ Fig. 15-6	● RLS0724	
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Tab. 15-4:INS0381 - 25.0 mm²

15.5 INS0381-35.0 mm²



Ordering designation	Interconnection diagram	Separable connection	Connection IndraDrive
IKG4174	IKG4174 / page 238	⇒ Fig. 15-6	● RLS0723
RKL4621	RKL4621 / page 398	⇒ Fig. 15-6	● RLS0724
RKL4778	RKL4778 / page 479	⇒ Fig. 15-6	● RLS0727
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210 ● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Tab. 15-5: INS0381 - 35.0 mm²

Power Cable - Connector INS038x

15.6 Power Cable with INS038xx for Separable Connections

INS0381 - INK06xx - INS0382



Ordering designation	Cross section [mm²]	Interconnection diagram
IKG4141	6.0	IKG4141 / page 227
IKG4161	10.0	IKG4161 / page 233
IKG4181	16.0	IKG4181 / page 242
IKG4201	25.0	IKG4201 / page 243
IKG4221	35.0	IKG4221 / page 245

Tab. 15-6: INS0381 Separable connection

16 Power Cable - Connector INS075x

16.1 INS0751-0.75 mm²



Ordering designation	Interconnection gram	dia- Separable Connection	Connection IndraDrive
RKL0013	RKL0013 / page 249	⇒ Fig. 16-2	● RLS0745
RKL0047	RKL0047 / page 266	RKL0013 / page 249	● RLS0746

● RLS0745	● RLS0746
HCS01.1E-W0003	HCS01.1E-W0018
HCS01.1E-W0005	HCS01.1E-W0028
HCS01.1E-W0006	
HCS01.1E-W0008	
HCS01.1E-W0009	
HCS01.1E-W0013	

Tab. 16-1: INS0751 - 0.75 mm²

16.2 Power Cable with INS0751 for Separable Connections

INS0751 - [INK0670](#) - RLS0757



Ordering designation	Cross section [mm²]	Interconnection diagram
RKL0035	0.75	RKL0035 / page 256

Tab. 16-2: INS0751 Separable connection

17 Power Cable - Terminal Box RLK12xx

17.1 RLK1201-1.5 mm²

17.1.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4702	RKL4702 / page 406				● RLS0721
RKL4703	RKL4703 / page 407				● RLS0722
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727	
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500	
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350	
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110			
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150			
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210			
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110			
HMS02.1N-W0054	HMS01.1N-W0036				
	HMS02.1N-W0028				

Tab. 17-1: RLK1201 - 1.5 mm²

17.1.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS11xx"

RLK1201 - 1.5 mm² - RLS1102



Ordering designation	Interconnection diagram	Continuation
RKL4753	RKL4753 / page 454	chapter 11.2 "RLS1101-1.5 mm²" on page 50

Tab. 17-2: RLK1201 - 1.5 mm² - RLS1102

Power Cable - Terminal Box RLK12xx

17.2 RLK1201-2.5 mm²

17.2.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4704	RKL4704 / page 408	● RLS0721
RKL4705	RKL4705 / page 409	● RLS0722
RKL4706	RKL4706 / page 410	● RLS0723

● RLS0721
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-F0070
HMS02.1N-W0054

● RLS0722
HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

● RLS0723
HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210
HMS02.1N-F0110

● RLS0724
HCS03.1E-W0210

● RLS0727
HCS04.1E-W0500
HMS01.1N-W0350

Tab. 17-3: RLK1201 - 2.5 mm²

17.2.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"

RLK1201 - 2.5 mm² - RLS1202



Ordering designation	Interconnection diagram	Continuation
RKL4754	RKL4754 / page 455	chapter 12.2 "RLS1201-2.5 mm²" on page 54

Tab. 17-4: RLK1201 - 2.5 mm² - RLS1202

17.3 RLK1201-4.0 mm²

17.3.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4707	RKL4707 / page 411	● RLS0721
RKL4708	RKL4708 / page 412	● RLS0722
RKL4709	RKL4709 / page 413	● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110
● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350	

Tab. 17-5: RLK1201 - 4.0 mm²

17.3.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"

RLK1201 - 4.0 mm² - RLS1202



Ordering designation	Interconnection diagram	Continuation
RKL4755	RKL4755 / page 456	chapter 12.3 "RLS1201-4.0 mm²" on page 55

Tab. 17-6: RLK1201 - 4.0 mm² - RLS1202

Power Cable - Terminal Box RLK12xx

17.4 RLK1201-6.0 mm²

17.4.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4710	RKL4710 / page 414		● RLS0721	
RKL4711	RKL4711 / page 415		● RLS0723	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 17-7: RLK1201 - 6.0 mm²

17.4.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"

RLK1201 - 6.0 mm² - RLS1202



Ordering designation	Interconnection diagram	Continuation
RKL4756	RKL4756 / page 457	chapter 12.4 "RLS1201-6.0 mm²" on page 56

Tab. 17-8: RLK1201 - 6.0 mm² - RLS1202

17.5 RLK1201-10.0 mm²

17.5.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4712	RKL4712 / page 416			● RLS0721
RKL4713	RKL4713 / page 417			● RLS0723
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 17-9: RLK1201 - 10.0 mm²

17.5.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1201 - 10.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4757	RKL4757 / page 458	chapter 13.5 "RLS1301-10.0 mm ² " on page 63

Tab. 17-10: RLK1201 - 10.0 mm² - RLS1302

18 Power Cable - Terminal Box RLK13xx

18.1 RLK1301-1.5 mm²

18.1.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4714	RKL4714 / page 418				● RLS0721
RKL4715	RKL4715 / page 419				● RLS0722
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727	
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500	
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350	
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110			
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150			
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210			
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110			
HMS02.1N-W0054	HMS01.1N-W0036				
	HMS02.1N-W0028				

Tab. 18-1: RLK1301 - 1.5 mm²

18.1.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS11xx"

RLK1301 - 1.5 mm² - RLS1102



Ordering designation	Interconnection diagram	Continuation
RKL4758	RKL4758 / page 459	chapter 11.2 "RLS1101-1.5 mm²" on page 50

Tab. 18-2: RLK1301 - 1.5 mm² - RLS1102

Power Cable - Terminal Box RLK13xx

18.2 RLK1301-2.5 mm²

18.2.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4716	RKL4716 / page 420	● RLS0721
RKL4717	RKL4717 / page 421	● RLS0722
RKL4718	RKL4718 / page 422	● RLS0723

● RLS0721

HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-F0070
HMS02.1N-W0054

● RLS0722

HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

● RLS0723

HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210
HMS02.1N-F0110

● RLS0724

HCS03.1E-W0210

● RLS0727

HCS04.1E-W0500
HMS01.1N-W0350

Tab. 18-3: RLK1301 - 2.5 mm²

18.2.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"

RLK1301 - 2.5 mm² - RLS1202



Ordering designation	Interconnection diagram	Continuation
RKL4759	RKL4759 / page 460	chapter 12.2 "RLS1201-2.5 mm²" on page 54

Tab. 18-4: RLK1301 - 2.5 mm² - RLS1202

18.3 RLK1301-4.0 mm²

18.3.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4719	RKL4719 / page 423	● RLS0721
RKL4720	RKL4720 / page 424	● RLS0722
RKL4721	RKL4721 / page 425	● RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110
		● RLS0724 HCS03.1E-W0210
		● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Tab. 18-5: RLK1301 - 4.0 mm²

18.3.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"

RLK1301 - 4.0 mm² - RLS1202



Ordering designation	Interconnection diagram	Continuation
RKL4760	RKL4760 / page 461	chapter 12.3 "RLS1201-4.0 mm ² " on page 55

Tab. 18-6: RLK1301 - 4.0 mm² - RLS1202

Power Cable - Terminal Box RLK13xx

18.4 RLK1301-6.0 mm²

18.4.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4722	RKL4722 / page 426		● RLS0721	
RKL4723	RKL4723 / page 427		● RLS0723	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 18-7: RLK1301 - 6.0 mm²

18.4.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"

RLK1301 - 6.0 mm² - RLS1202



Ordering designation	Interconnection diagram	Continuation
RKL4761	RKL4761 / page 462	chapter 12.4 "RLS1201-6.0 mm²" on page 56

Tab. 18-8: RLK1301 - 6.0 mm² - RLS1202

18.5 RLK1301-10.0 mm²

18.5.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4724	RKL4724 / page 428		● RLS0721	
RKL4725	RKL4725 / page 429		● RLS0723	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 18-9: RLK1301 - 10.0 mm²

18.5.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1301 - 10.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4762	RKL4762 / page 463	chapter 13.5 "RLS1301-10.0 mm²" on page 63

Tab. 18-10: RLK1301 - 10.0 mm² - RLS1302

Power Cable - Terminal Box RLK13xx

18.6RLK1301-16.0 mm²

18.6.1Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4776	RKL4776 / page 477	RLS0721
RKL4726	RKL4726 / page 430	RLS0723
RKL4777	RKL4777 / page 478	RLS0724

RLS0721
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-F0070
HMS02.1N-W0054

RLS0722
HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

RLS0723
HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210
HMS02.1N-F0110

RLS0724
HCS03.1E-W0210

RLS0727
HCS04.1E-W0500
HMS01.1N-W0350

Tab. 18-11: RLK1301 - 16.0 mm²

18.6.2Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1301 - 16.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4763	RKL4763 / page 464	chapter 13.6 "RLS1301-16.0 mm²" on page 64

Tab. 18-12: RLK1301 - 16.0 mm² - RLS1302

18.7 RLK1301-25.0 mm²

18.7.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4727	RKL4727 / page 431	RLS0723
RKL4728	RKL4728 / page 432	RLS0724
RKL4786	RKL4786 / page 487	RLS0727

RLS0721
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-F0070
HMS02.1N-W0054

RLS0722
HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

RLS0723
HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210
HMS02.1N-F0110

RLS0724
HCS03.1E-W0210

RLS0727
HCS04.1E-W0500
HMS01.1N-W0350

Tab. 18-13: RLK1301 - 25.0 mm²

18.7.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1301 - 25.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4764	RKL4764 / page 465	chapter 13.7 "RLS1301-25.0 mm²" on page 65

Tab. 18-14: RLK1301 - 25.0 mm² - RLS1302

Power Cable - Terminal Box RLK13xx

18.8 RLK1301-35.0 mm²

18.8.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL0064	RKL0064 / page 281	● RLS0750
RKL4729	RKL4729 / page 433	● RLS0723
RKL4730	RKL4730 / page 434	● RLS0724
RKL4784	RKL4784 / page 485	● RLS0727

● **RLS0723**
HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210

● **RLS0724**
HCS03.1E-W0210

● **RLS0727**
HCS04.1E-W0300
HMS01.1N-W0350

● **RLS0750**
HCS04.2E-W0350

Tab. 18-15: RLK1301 - 35.0 mm²

18.8.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1301 - 35.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4765	RKL4765 / page 466	chapter 13.8 "RLS1301-35.0 mm²" on page 66

Tab. 18-16: RLK1301 - 35.0 mm² - RLS1302

19 Power Cable - Terminal Box RLK14xx

19.1 RLK1401-6.0 mm²

19.1.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4731	RKL4731 / page 435	● RLS0721
RKL4732	RKL4732 / page 436	● RLS0723

● RLS0721
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-F0070
HMS02.1N-W0054

● RLS0722
HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

● RLS0723
HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210
HMS02.1N-F0110

● RLS0724
HCS03.1E-W0210

● RLS0727
HCS04.1E-W0500
HMS01.1N-W0350

Tab. 19-1: RLK1401 - 6.0 mm²

19.1.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS12xx"

RLK1401 - 6.0 mm² - RLS1202



Ordering designation	Interconnection diagram	Continuation
RKL4766	RKL4766 / page 467	chapter 12.4 "RLS1201-6.0 mm²" on page 56

Tab. 19-2: RLK1401 - 6.0 mm² - RLS1202

Power Cable - Terminal Box RLK14xx

19.2 RLK1401-10.0 mm²

19.2.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4733	RKL4733 / page 437		● RLS0721	
RKL4734	RKL4734 / page 438		● RLS0723	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 19-3: RLK1401 - 10.0 mm²

19.2.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1401 - 10.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4767	RKL4767 / page 468	chapter 13.5 "RLS1301-10.0 mm²" on page 63

Tab. 19-4: RLK1401 - 10.0 mm² - RLS1302

19.3 RLK1401-16.0 mm²

19.3.1 Direct Connection



Ordering designation	Interconnection diagram	Options	Connection IndraDrive
RKL4735	RKL4735 / page 439		○ RLS0723
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	○ RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210 ● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Tab. 19-5: RLK1401 - 16.0 mm²

19.3.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1401 - 16.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4768	RKL4768 / page 469	chapter 13.6 "RLS1301-16.0 mm²" on page 64

Tab. 19-6: RLK1401 - 16.0 mm² - RLS1302

Power Cable - Terminal Box RLK14xx

19.4 RLK1401-25.0 mm²

19.4.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4736	RKL4736 / page 440	● RLS0723
RKL4737	RKL4737 / page 441	● RLS0724

● RLS0721
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-F0070
HMS02.1N-W0054

● RLS0722
HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

● RLS0723
HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210
HMS02.1N-F0110

● RLS0724
HCS03.1E-W0210

● RLS0727
HCS04.1E-W0500
HMS01.1N-W0350

Tab. 19-7: RLK1401 - 25.0 mm²

19.4.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1401 - 25.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4769	RKL4769 / page 470	chapter 13.7 "RLS1301-25.0 mm²" on page 65

Tab. 19-8: RLK1401 - 25.0 mm² - RLS1302

19.5 RLK1401-35.0 mm²

19.5.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4750	RKL4750 / page 451	RLS0723
RKL4751	RKL4751 / page 452	RLS0724
RKL4779	RKL4779 / page 480	RLS0727
RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110
		RLS0724 HCS03.1E-W0210
		RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Tab. 19-9: RLK1401 - 35.0 mm²

19.5.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1401 - 35.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4770	RKL4770 / page 471	chapter 13.8 "RLS1301-35.0 mm²" on page 66

Tab. 19-10: RLK1401 - 35.0 mm² - RLS1302

Power Cable - Terminal Box RLK14xx

19.6 RLK1401-50.0 mm²

19.6.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4738	RKL4738 / page 442		● RLS0723	
RKL4739	RKL4739 / page 443		● RLS0724	
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Tab. 19-11: RLK1401 - 50.0 mm²

19.6.2 Separable Connection

- not available -

20 Power Cable - Terminal Box RLK15xx

20.1 RLK1501-16.0 mm²

20.1.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4740	RKL4740 / page 444		● RLS0723	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 20-1: RLK1501 - 16.0 mm²

20.1.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1501 - 16.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4771	RKL4771 / page 472	chapter 13.6 "RLS1301-16.0 mm²" on page 64

Tab. 20-2: RLK1501 - 16.0 mm² - RLS1302

Power Cable - Terminal Box RLK15xx

20.2 RLK1501-25.0 mm²

20.2.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4741	RKL4741 / page 445		● RLS0723	
RKL4742	RKL4742 / page 446		● RLS0724	
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Tab. 20-3: RLK1501 - 25.0 mm²

20.2.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1501 - 25.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4772	RKL4772 / page 473	chapter 13.7 "RLS1301-25.0 mm²" on page 65

Tab. 20-4: RLK1501 - 25.0 mm² - RLS1302

20.3 RLK1501-35.0 mm²

20.3.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4743	RKL4743 / page 447	RLS0723
RKL4744	RKL4744 / page 448	RLS0724
RKL4780	RKL4780 / page 481	RLS0727

RLS0721
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-F0070
HMS02.1N-W0054

RLS0722
HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

RLS0723
HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210
HMS02.1N-F0110

RLS0724
HCS03.1E-W0210

RLS0727
HCS04.1E-W0500
HMS01.1N-W0350

Tab. 20-5: RLK1501 - 35.0 mm²

20.3.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS13xx"

RLK1501 - 35.0 mm² - RLS1302



Ordering designation	Interconnection diagram	Continuation
RKL4773	RKL4773 / page 474	chapter 13.8 "RLS1301-35.0 mm²" on page 66

Tab. 20-6: RLK1501 - 35.0 mm² - RLS1302

Power Cable - Terminal Box RLK15xx

20.4 RLK1501-50.0 mm²

20.4.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4745	RKL4745 / page 449		● RLS0723	
RKL4746	RKL4746 / page 450		● RLS0724	
RKL4782	RKL4782 / page 483		● RLS0727	
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-F0070 HMS02.1N-W0054	● RLS0722 HCS02.1E-W0012 HCS02.1E-W0028 HMD01.1N-W0012 HMD01.1N-W0020 HMD01.1N-W0036 HMS01.1N-W0020 HMS01.1N-W0036 HMS02.1N-W0028	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210 HMS02.1N-F0110	● RLS0724 HCS03.1E-W0210	● RLS0727 HCS04.1E-W0500 HMS01.1N-W0350

Tab. 20-7: RLK1501 - 50.0 mm²

20.4.2 Separable Connection

- not available -

Power Cable - Terminal Box RLK15xx

20.5 RLK1501-70.0 mm²

20.5.1 Direct Connection

The terminal box RLK1500 is provided for a clamping with 70.0 mm². This cable is not in the scope of delivery of Bosch Rexroth.

20.5.2 Separable Connection

- not available -

21 Power Cable - Terminal Box RZK31xx

21.1 RLK3101-2.5 mm²

21.1.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL0037	RKL0037 / page 257	● RLS0721

● **RLS0721**
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-W0054

Tab. 21-1: RLK3101 - 2.5 mm²

21.2 RLK3101-4.0 mm²

21.2.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL0038	RKL0038 / page 258	● RLS0721

● **RLS0721**
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-W0054

Tab. 21-2: RLK3101 - 4.0 mm²

21.3 RLK3101-6.0 mm²

21.3.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL0039	RKL0039 / page 259	● RLS0721
RKL0040	RKL0040 / page 260	● RLS0723

Power Cable - Terminal Box RZK31xx



Ordering designation	Interconnection diagram	Connection IndraDrive
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-W0054	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210	

Tab. 21-3: RLK3101 - 6.0 mm²

21.4 RLK3101-10.0 mm²

21.4.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL0041	RKL0041 / page 261	● RLS0721
RKL0042	RKL0042 / page 262	● RLS0723

● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-W0054	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210
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Tab. 21-4: RLK3101 - 10.0 mm²

21.5 RLK3101-16.0 mm²

21.5.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL0043	RKL0043 / page 263	● RLS0723

● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-W0054	● RLS0723 HCS03.1E-W0100 HCS03.1E-W0150 HMS01.1N-W0110 HMS01.1N-W0150 HMS01.1N-W0210
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Tab. 21-5: RLK3101 - 16.0 mm²

22 Power Cable - Terminal Box Size 1 (RLK0003)

22.1 RLK0003-2.5 mm²

22.1.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4497	RKL4497 / page 350		● RLS0721	
RKL4481	RKL4481 / page 334		● RLS0722	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 22-1: RLK0003 - 2.5 mm²

22.1.2 Separable Connection

RLK0003 - 2.5 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4521	RKL4521 / page 366	chapter 14.2 "INS0481-2.5 mm²" on page 70

Tab. 22-2: RLK0003 - 2.5 mm² - INS0482

Power Cable - Terminal Box Size 1 (RLK0003)

22.2 RLK0003-4.0 mm²

22.2.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4482	RKL4482 / page 335		● RLS0721	
RKL4502	RKL4502 / page 353		● RLS0722	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 22-3: RLK0003 - 4.0 mm²

22.2.2 Separable Connection

Explanation: For continuation after the connection point, please refer to the selection "Power Cables - Connector RLS11xx"

RLK0003 - 4.0 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4522	RKL4522 / page 367	chapter 14.3 "INS0481-4.0 mm²" on page 71

Tab. 22-4: RLK0003 - 4.0 mm² - INS0482

Power Cable - Terminal Box Size 1 (RLK0003)

22.3 RLK0003-6.0 mm²

22.3.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4483	RKL4483 / page 336			● RLS0721
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 22-5: RLK0003 - 6.0 mm²

22.3.2 Separable Connection

RLK0003 - 6.0 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4523	RKL4523 / page 368	chapter 15.1 "INS0381-6.0 mm²" on page 75

Tab. 22-6: RLK0003 - 6.0 mm² - INS0482

Power Cable - Terminal Box Size 1 (RLK0003)

22.4 RLK0003-10.0 mm²

22.4.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4504	RKL4504 / page 354		● RLS0721	
RKL4484	RKL4484 / page 337		● RLS0723	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 22-7: RLK0003 - 10.0 mm²

22.4.2 Separable Connection

[RLK0003 - 10.0 mm² - INS0482](#)



Ordering designation	Interconnection diagram	Continuation
RKL4524	RKL4524 / page 369	chapter 14.5 "INS0481-10.0 mm²" on page 73

Tab. 22-8: RLK0003 - 10.0 mm² - INS0482

23 Power Cable - Terminal Box Size 2 (RLK0004)

23.1 RLK0004-2.5 mm²

23.1.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4498	RKL4498 / page 351		● RLS0721	
RKL4485	RKL4485 / page 338		● RLS0722	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 23-1: RLK0004 - 2.5 mm²

23.1.2 Separable Connection

RLK0004 - 2.5 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4525	RKL4525 / page 370	chapter 14.2 "INS0481-2.5 mm²" on page 70

Tab. 23-2: RLK0004 - 2.5 mm² - INS0482

Power Cable - Terminal Box Size 2 (RLK0004)

23.2 RLK0004-4.0 mm²

23.2.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4506	RKL4506 / page 355		● RLS0721	
RKL4486	RKL4486 / page 339		● RLS0722	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 23-3: RLK0004 - 4.0 mm²

23.2.2 Separable Connection

[RLK0004 - 4.0 mm² - INS0482](#)



Ordering designation	Interconnection diagram	Continuation
RKL4526	RKL4526 / page 371	chapter 14.3 "INS0481-4.0 mm²" on page 71

Tab. 23-4: RLK0004 - 4.0 mm² - INS0482

Power Cable - Terminal Box Size 2 (RLK0004)

23.3 RLK0004-6.0 mm²

23.3.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4487	RKL4487 / page 340			● RLS0721
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 23-5: RLK0004 - 6.0 mm²

23.3.2 Separable Connection

RLK0004 - 6.0 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4527	RKL4527 / page 372	chapter 14.4 "INS0481-6.0 mm²" on page 72

Tab. 23-6: RLK0004 - 6.0 mm² - INS0482

Power Cable - Terminal Box Size 2 (RLK0004)

23.4 RLK0004-10.0 mm²

23.4.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4508	RKL4508 / page 356		● RLS0721	
RKL4488	RKL4488 / page 341		● RLS0723	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 23-7: RLK0004 - 10.0 mm²

23.4.2 Separable Connection

RLK0004 - 10.0 mm² - [INS0482](#)



Ordering designation	Interconnection diagram	Continuation
RKL4528	RKL4528 / page 373	chapter 14.5 "INS0481-10.0 mm²" on page 73

Tab. 23-8: RLK0004 - 10.0 mm² - INS0482

Power Cable - Terminal Box Size 2 (RLK0004)

23.5 RLK0004-16.0 mm²

23.5.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4489	RKL4489 / page 342	● RLS0723
RKL4637	RKL4637 / page 399	● RLS0724

● **RLS0723**
HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210

● **RLS0724**
HCS03.1E-W0210

Tab. 23-9: RLK0004 - 16.0 mm²

23.5.2 Separable Connection

RLK0004 - 16.0 mm² - [INS0382](#)



Ordering designation	Interconnection diagram	Continuation
RKL4529	RKL4529 / page 374	chapter 15.3 "INS0381-16.0 mm²" on page 77

Tab. 23-10: RLK0004 - 16.0 mm² - INS0382

Power Cable - Terminal Box Size 2 (RLK0004)

23.6 RLK0004-25.0 mm²

23.6.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4544	RKL4544 / page 386		● RLS0723	
RKL4545	RKL4545 / page 387		● RLS0724	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 23-11: RLK0004 - 25.0 mm²

23.6.2 Separable Connection

[RLK0004 - 25.0 mm² - INS0382](#)



Ordering designation	Interconnection diagram	Continuation
RKL4547	RKL4547 / page 388	chapter 15.4 "INS0381-25.0 mm²" on page 78

Tab. 23-12: RLK0004 - 25.0 mm² - INS0382

Power Cable - Terminal Box Size 3 (RLK0005)

24 Power Cable - Terminal Box Size 3 (RLK0005)

24.1 RLK0005-2.5 mm²

24.1.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4511	RKL4511 / page 358				● RLS0721
RKL4510	RKL4510 / page 357				● RLS0722
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727	
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500	
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350	
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110			
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150			
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210			
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110			
HMS02.1N-W0054	HMS01.1N-W0036				
	HMS02.1N-W0028				

Tab. 24-1: RLK0005 - 2.5 mm²

24.1.2 Separable Connection

RLK0005 - 2.5 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4537	RKL4537 / page 382	chapter 14.2 "INS0481-2.5 mm²" on page 70

Tab. 24-2: RLK0005 - 2.5 mm² - INS0482

Power Cable - Terminal Box Size 3 (RLK0005)

24.2 RLK0005-4.0 mm²

24.2.1 Direct Connection



Ordering designation	Interconnection diagram				Connection IndraDrive
RKL4492	RKL4492 / page 345				● RLS0721
RKL4512	RKL4512 / page 359				● RLS0722
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727	
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500	
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350	
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110			
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150			
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210			
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110			
HMS02.1N-W0054	HMS01.1N-W0036				
	HMS02.1N-W0028				

Tab. 24-3: RLK0005 - 4.0 mm²

24.2.2 Separable Connection

RLK0005 - 4.0 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4532	RKL4532 / page 377	chapter 14.3 "INS0481-4.0 mm²" on page 71

Tab. 24-4: RLK0005 - 4.0 mm² - INS0482

Power Cable - Terminal Box Size 3 (RLK0005)

24.3 RLK0005-6.0 mm²

24.3.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4493	RKL4493 / page 346			● RLS0721
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 24-5: RLK0005 - 6.0 mm²

24.3.2 Separable Connection

RLK0005 - 6.0 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4533	RKL4533 / page 378	chapter 14.4 "INS0481-6.0 mm²" on page 72

Tab. 24-6: RLK0005 - 6.0 mm² - INS0482

Power Cable - Terminal Box Size 3 (RLK0005)

24.4 RLK0005-10.0 mm²

24.4.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4514	RKL4514 / page 360		● RLS0721	
RKL4494	RKL4494 / page 347		● RLS0723	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 24-7: RLK0005 - 10.0 mm²

24.4.2 Separable Connection

RLK0005 - 10.0 mm² - INS0482



Ordering designation	Interconnection diagram	Continuation
RKL4534	RKL4534 / page 379	chapter 14.5 "INS0481-10.0 mm²" on page 73

Tab. 24-8: RLK0005 - 10.0 mm² - INS0482

Power Cable - Terminal Box Size 3 (RLK0005)

24.5 RLK0005-16.0 mm²

24.5.1 Direct Connection



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4495	RKL4495 / page 348			● RLS0723
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 24-9: RLK0005 - 16.0 mm²

24.5.2 Separable Connection

RLK0005 - 16.0 mm² - [INS0382](#)



Ordering designation	Interconnection diagram	Continuation
RKL4535	RKL4535 / page 380	chapter 15.3 "INS0381-16.0 mm²" on page 77

Tab. 24-10: RLK0005 - 16.0 mm² - INS0382

Power Cable - Terminal Box Size 3 (RLK0005)

24.6 RLK0005-25.0 mm²

24.6.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4490	RKL4490 / page 343		● RLS0723	
RKL4439	RKL4439 / page 331		● RLS0724	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 24-11: RLK0005 - 25.0 mm²

24.6.2 Separable Connection

RLK0005 - 25.0 mm² - INS0382



Ordering designation	Interconnection diagram	Continuation
RKL4530	RKL4530 / page 375	chapter 15.4 "INS0381-25.0 mm²" on page 78

Tab. 24-12: RLK0005 - 25.0 mm² - INS0382

Power Cable - Terminal Box Size 3 (RLK0005)

24.7 RLK0005-35.0 mm²

24.7.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4491	RKL4491 / page 344		● RLS0723	
RKL4548	RKL4548 / page 389		● RLS0724	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 24-13: RLK0005 - 35.0 mm²

24.7.2 Separable Connection

RLK0005 - 35.0 mm² - INS0382



Ordering designation	Interconnection diagram	Continuation
RKL4531	RKL4531 / page 376	chapter 15.5 "INS0381-35.0 mm²" on page 79

Tab. 24-14: RLK0005 - 35.0 mm² - INS0382

25 Power Cable - Terminal Box Size 4 (RLK0006)

25.1 RLK0006-10.0 mm²

25.1.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4496	RKL4496 / page 349	● RLS0721
RKL4516	RKL4516 / page 361	● RLS0723

● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 25-1: RLK0006 - 10.0 mm²

25.1.2 Separable Connection

RLK0006 - 10.0 mm² - [INS0482](#)



Ordering designation	Interconnection diagram	Continuation
RKL4536	RKL4536 / page 381	chapter 14.5 "INS0481-10.0 mm ² " on page 73

Tab. 25-2: RLK0006 - 10.0 mm² - INS0482

25.2 RLK0006-16.0 mm²

25.2.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4520	RKL4520 / page 365	● RLS0723

● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 25-3: RLK0006 - 16.0 mm²

Power Cable - Terminal Box Size 4 (RLK0006)

25.2.2 Separable Connection

[RLK0006](#) - 16.0 mm² - [INS0382](#)



Ordering designation	Interconnection diagram	Continuation
RKL4540	RKL4540 / page 385	chapter 15.3 "INS0381-16.0 mm²" on page 77
<i>Tab. 25-4: RLK0006 - 16.0 mm² - INS0382</i>		

Power Cable - Terminal Box Size 4 (RLK0006)

25.3 RLK0006-25.0 mm²

25.3.1 Direct Connection



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL4518	RKL4518 / page 363	RLS0723
RKL4457	RKL4457 / page 332	RLS0724
RKL4644	RKL4644 / page 401	RLS0727

RLS0721
HCS02.1E-W0054
HCS02.1E-W0070
HCS03.1E-W0070
HMS01.1N-W0054
HMS01.1N-W0070
HMS02.1N-F0070
HMS02.1N-W0054

RLS0722
HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

RLS0723
HCS03.1E-W0100
HCS03.1E-W0150
HMS01.1N-W0110
HMS01.1N-W0150
HMS01.1N-W0210
HMS02.1N-F0110

RLS0724
HCS03.1E-W0210

RLS0727
HCS04.1E-W0500
HMS01.1N-W0350

Tab. 25-5: RLK0006 - 25.0 mm²

25.3.2 Separable Connection

RLK0006 - 25.0 mm² - INS0382



Ordering designation	Interconnection diagram	Continuation
RKL4538	RKL4538 / page 383	chapter 15.4 "INS0381-25.0 mm²" on page 78

Tab. 25-6: RLK0006 - 25.0 mm² - INS0382

Power Cable - Terminal Box Size 4 (RLK0006)

25.4 RLK0006-35.0 mm²

25.4.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4519	RKL4519 / page 364		● RLS0723	
RKL4499	RKL4499 / page 352		● RLS0724	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 25-7: RLK0006 - 35.0 mm²

25.4.2 Separable Connection

RLK0006 - 35.0 mm² - INS0382



Ordering designation	Interconnection diagram	Continuation
RKL4539	RKL4539 / page 384	chapter 15.5 "INS0381-35.0 mm²" on page 79

Tab. 25-8: RLK0006 - 35.0 mm² - INS0382

Power Cable - Terminal Box Size 4 (RLK0006)

25.5 RLK0006-50.0 mm²

25.5.1 Direct Connection



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4517	RKL4517 / page 362		● RLS0723	
RKL4477	RKL4477 / page 333		● RLS0724	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 25-9: RLK0006 - 50.0 mm²

25.5.2 Separable Connection

- not available -

26 Power Cable - Terminal Box Size 5 (RLK0007)

26.1 RLK0007-25.0 mm²

26.1.1 Direct Connection

RLK0007 - 25.0 mm²



Ordering designation	Interconnection diagram		Connection IndraDrive	
RKL4645	RKL4645 / page 402		● RLS0723	
RKL4646	RKL4646 / page 403		● RLS0724	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 26-1: RLK0007 - 25.0 mm²

26.1.2 Separable Connection

RLK0007 - 25.0 mm² - RLS1302

- connection on request -

Tab. 26-2: RLK0007 - 25.0 mm² - RLS1302

Power Cable - Terminal Box Size 5 (RLK0007)

26.2 RLK0007-35.0 mm²

26.2.1 Direct Connection

RLK0007 - 35.0 mm²



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4638	RKL4638 / page 400			RLS0727
RLS0721	RLS0722	RLS0723	RLS0724	RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 26-3: RLK0007 - 35.0 mm²

26.2.2 Separable Connection

- not available -

27 Power Cable - Terminal Box MKE

27.1 RLK2101-1.0 mm²

27.1.1 Direct Connection

WEF/RTE - 1.0 mm²



Ordering designation	Interconnection diagram			Connection IndraDrive
IKG4145	IKG4145 / page 228			● RLS0722
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 27-1: WEF/RTE - 1.0 mm²

Power Cable - Terminal Box MKE

27.2 RLK2101-1.5 mm²

27.2.1 Direct Connection

WEF/RTE - 1.5 mm²



Ordering designation	Interconnection diagram	Connection IndraDrive
RKL0008	RKL0008 / page 248	● RLS0721
● RLS0721 HCS02.1E-W0054 HCS02.1E-W0070 HCS03.1E-W0070 HMS01.1N-W0054 HMS01.1N-W0070 HMS02.1N-W0054		

Tab. 27-2: WEF/RTE - 1.5 mm²

27.3 RLK21U1-1.0 mm²

27.3.1 Direct Connection

WEF - 1.0 mm²



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4600	RKL4600 / page 390			● RLS0722
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 27-3: WEF - 1.0 mm²

Power Cable - Terminal Box MKE

27.4 RLK2201-1.0 mm²

27.4.1 Direct Connection

WEF/RTE - 1.0 mm²



Ordering designation	Interconnection diagram		Connection IndraDrive	
IKG4145	IKG4145 / page 228		● RLS0722	
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 27-4: WEF/RTE - 1.0 mm²

27.5 RLK22U1-1.0 mm²

27.5.1 Direct Connection

WEF - 1.0 mm²



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4600	RKL4600 / page 390			● RLS0722
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 27-5: WEF - 1.0 mm²

Power Cable - Terminal Box MKE

27.6RLK2301-2.5 mm²

27.6.1Direct Connection

WEF/RTE - 2.5 mm²



Ordering designation	Interconnection diagram			Connection IndraDrive
IKG4148	IKG4148 / page 230			RLS0721
IKG4146	IKG4146 / page 229			RLS0722
RKL4781	RKL4781 / page 482			RLS0723
RLS0721	RLS0722	RLS0723	RLS0724	RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 27-6: WEF/RTE - 2.5 mm²

27.7 RLK23U1-2.5 mm²

27.7.1 Direct Connection

WEF - 2.5 mm²



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4603	RKL4603 / page 392			● RLS0721
RKL4602	RKL4602 / page 391			● RLS0722
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 27-7: WEF - 2.5 mm²

Power Cable - Terminal Box MKE

27.8 RLK2301-6.0 mm²

27.8.1 Direct Connection

WEF/RTE - 6.0 mm²



Ordering designation	Interconnection diagram		Connection IndraDrive	
IKG4149	IKG4149 / page 231		RLS0721	
RLS0721	RLS0722	RLS0723	RLS0724	RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 27-8: WEF/RTE - 6.0 mm²

27.9 RLK23U1-6.0 mm²

27.9.1 Direct Connection

WEF - 6.0 mm²



Ordering designation	Interconnection diagram			Connection IndraDrive
RKL4606	RKL4606 / page 393			● RLS0721
RKL4607	RKL4607 / page 394			● RLS0723
● RLS0721	● RLS0722	● RLS0723	● RLS0724	● RLS0727
HCS02.1E-W0054	HCS02.1E-W0012	HCS03.1E-W0100	HCS03.1E-W0210	HCS04.1E-W0500
HCS02.1E-W0070	HCS02.1E-W0028	HCS03.1E-W0150		HMS01.1N-W0350
HCS03.1E-W0070	HMD01.1N-W0012	HMS01.1N-W0110		
HMS01.1N-W0054	HMD01.1N-W0020	HMS01.1N-W0150		
HMS01.1N-W0070	HMD01.1N-W0036	HMS01.1N-W0210		
HMS02.1N-F0070	HMS01.1N-W0020	HMS02.1N-F0110		
HMS02.1N-W0054	HMS01.1N-W0036			
	HMS02.1N-W0028			

Tab. 27-9: WEF - 6.0 mm²

Connection Cables

28 Connection Cables

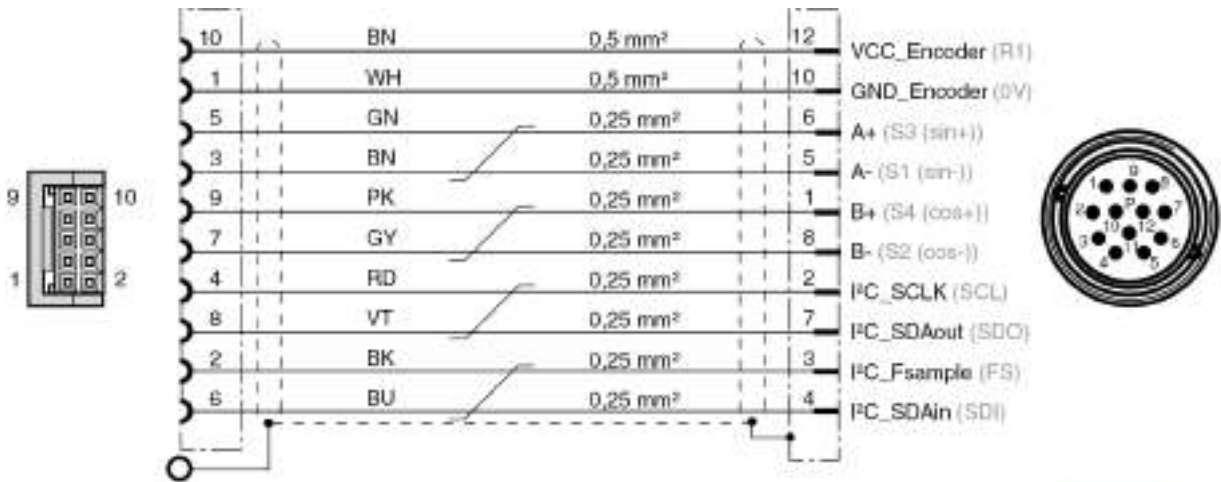
28.1 Encoder Cables

28.1.1 IKSxxxx

IKS02xx

IKS0204

Encoder Connection	Bulk cable	Connection controller
INS0672/C01	INK0448	INS0716/C01

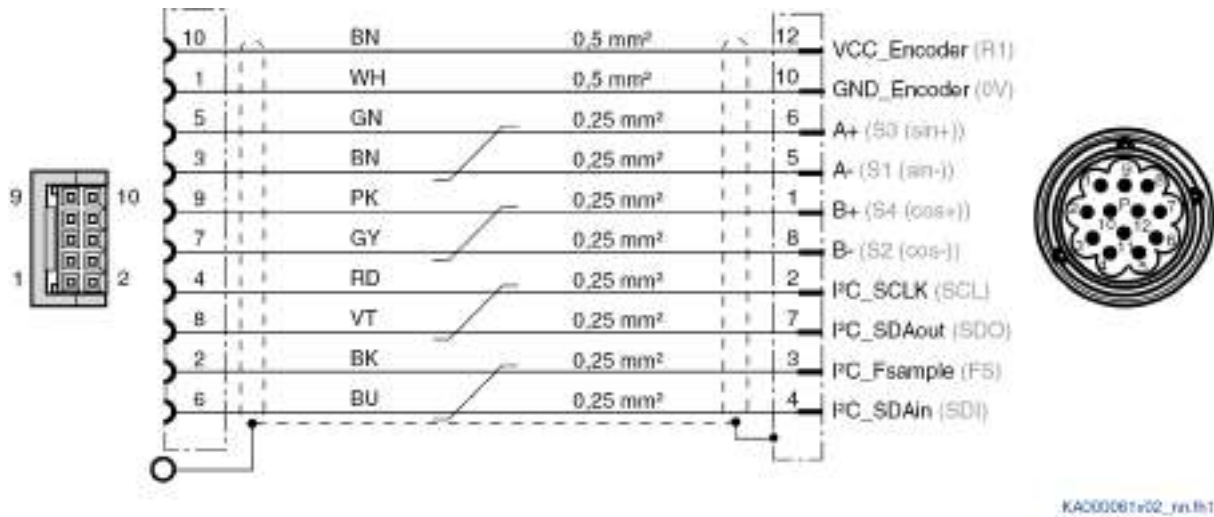


© Bosch Rexroth AG, 2013

Tab. 28-1: Interconnection diagram IKS0204

IKS0206

Encoder Connection	Bulk cable	Connection controller
INS0672/C01	INK0448	INS0717/C01



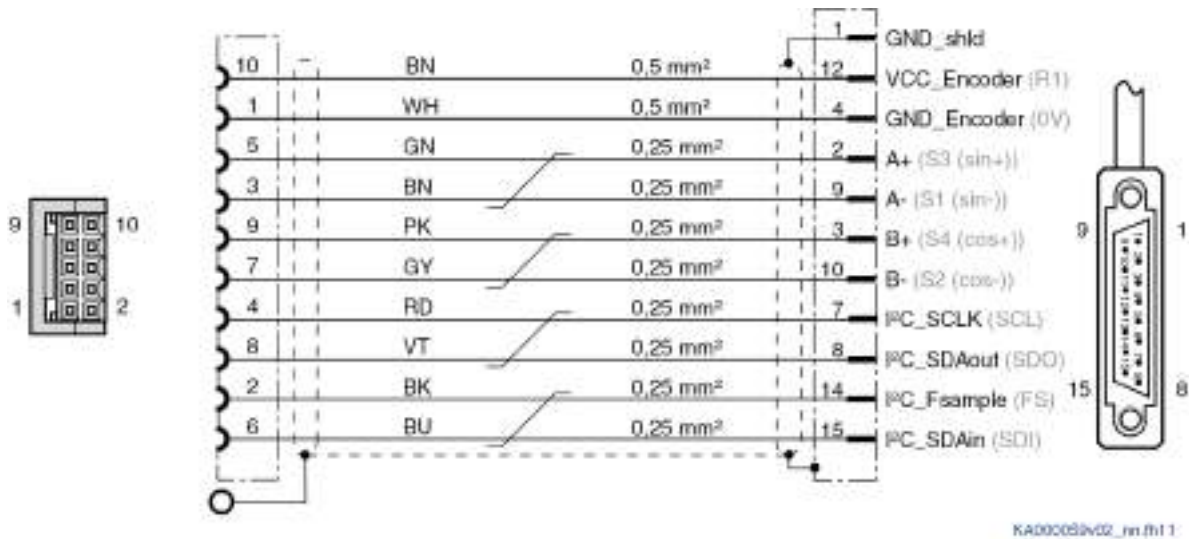
© Bosch Rexroth AG, 2013

Tab. 28-2: Interconnection diagram IKS0206

Connection Cables

IKS0223

Encoder Connection	Bulk cable	Connection controller
INS0672/C01	INK0448	INS0760/C01

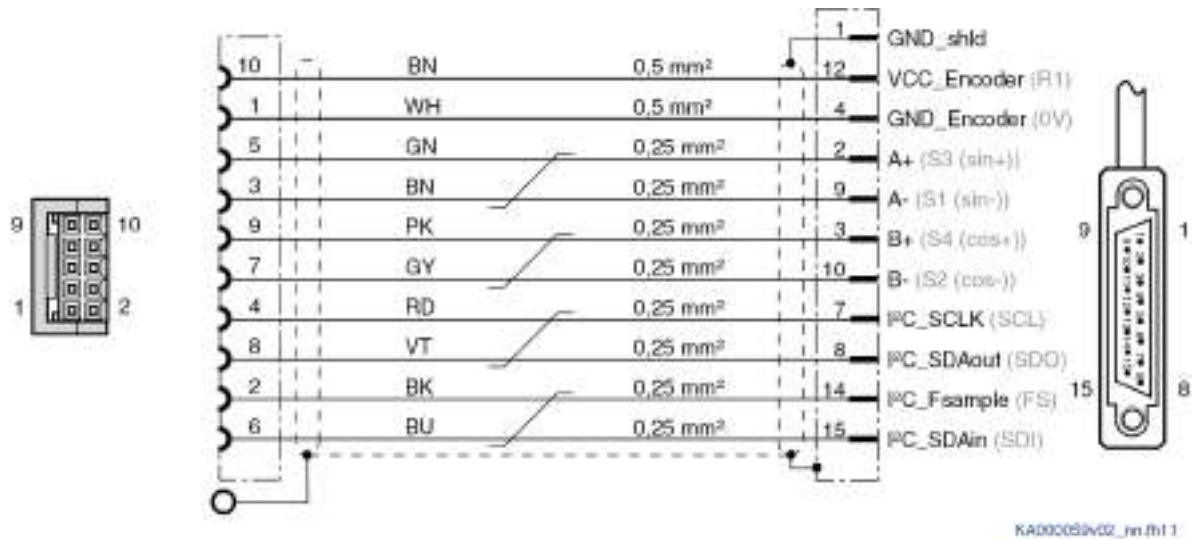


© Bosch Rexroth AG, 2013

Tab. 28-3: Interconnection diagram IKS0223

IKS0226

Encoder Connection	Bulk cable	Connection controller
INS0672/C01	INK0448	INS0760/C01



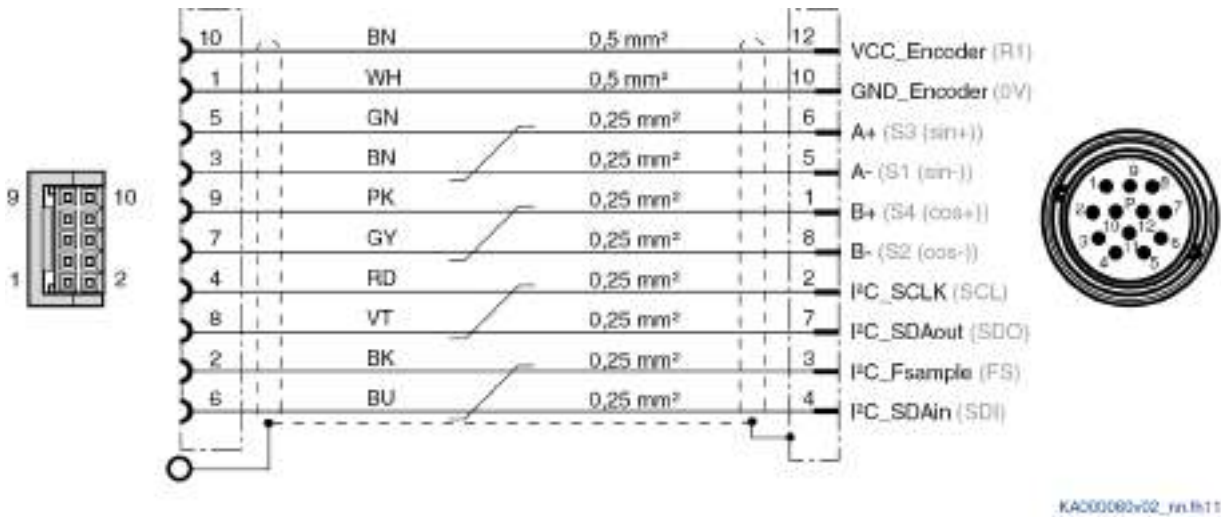
© Bosch Rexroth AG, 2013

Tab. 28-4: Interconnection diagram IKS0226

Connection Cables

IKS0227

Encoder Connection	Bulk cable	Connection controller
INS0672/C01	INK0448	INS0716/C01

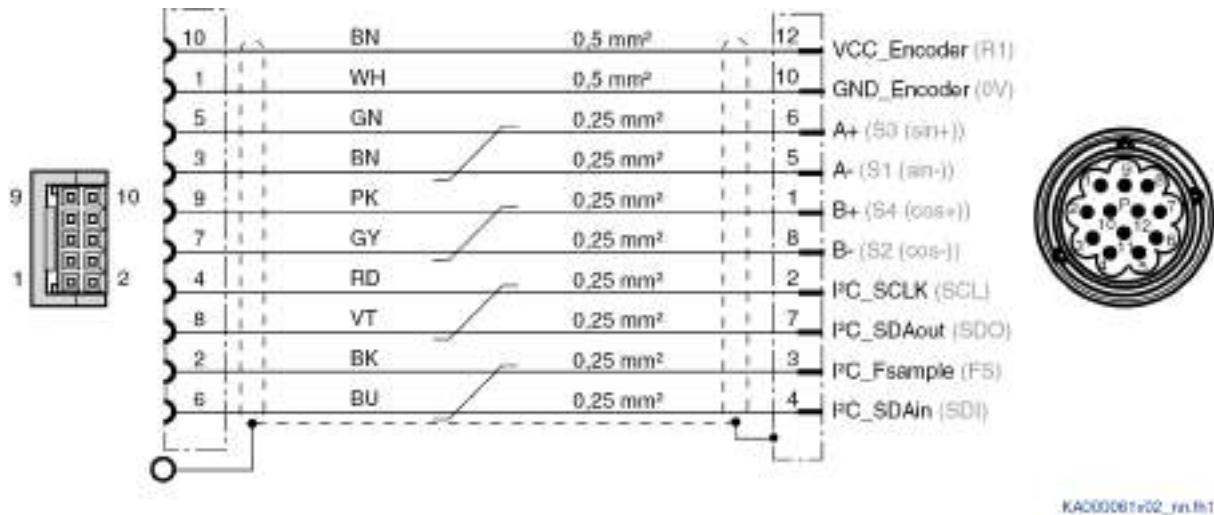


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Tab. 28-5: Interconnection diagram IKS0227

IKS0228

Encoder Connection	Bulk cable	Connection controller
INS0672/C01	INK0448	INS0717/C01



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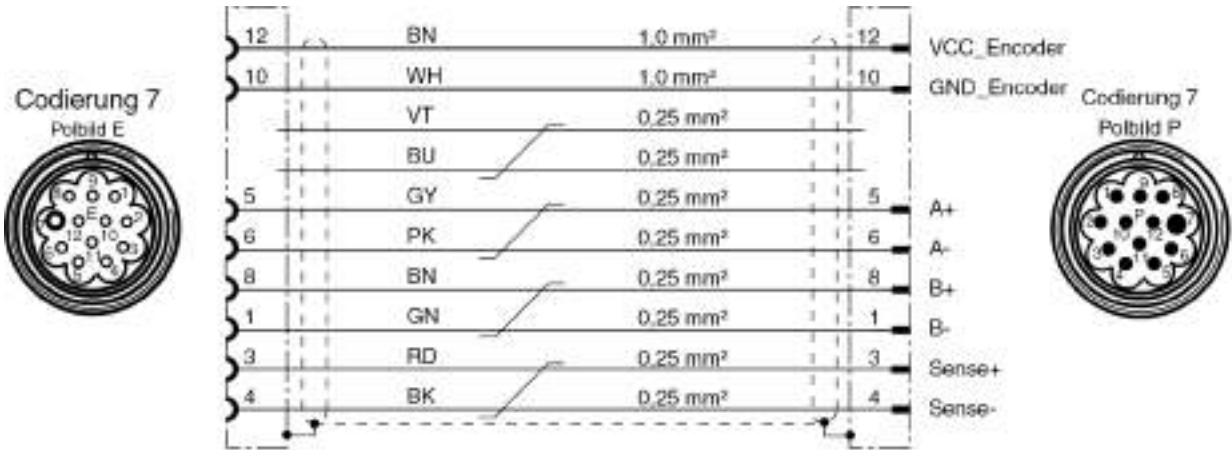
Tab. 28-6: Interconnection diagram IKS0228

Connection Cables

IKS40xx

IKS4007

Encoder Connection	Bulk cable	Connection controller
INS0493/C01	INK0209	INS0495/C01



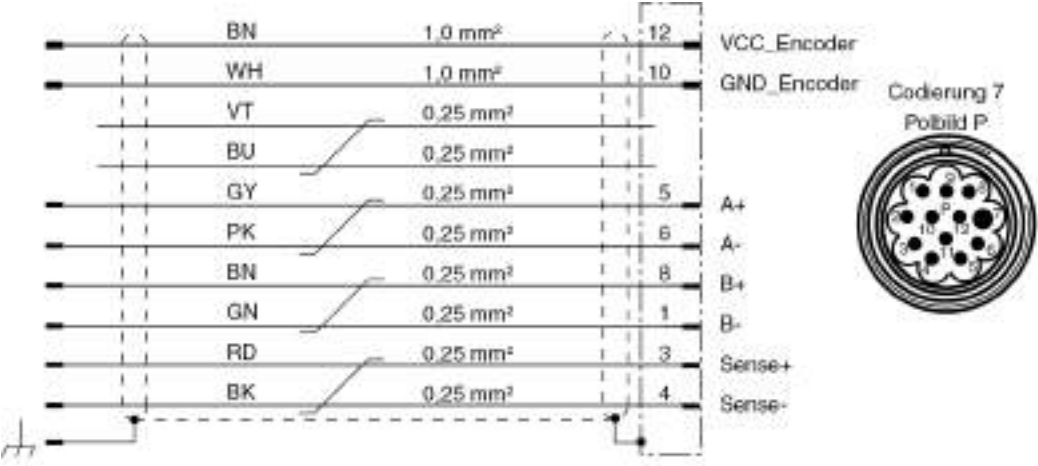
KA000158v01_en.b11

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Tab. 28-7: Interconnection diagram IKS4007

IKS4079

Encoder Connection	Bulk cable	Connection controller
WEF	INK0209	INS0495/C01



KA000157v01_en 1b11

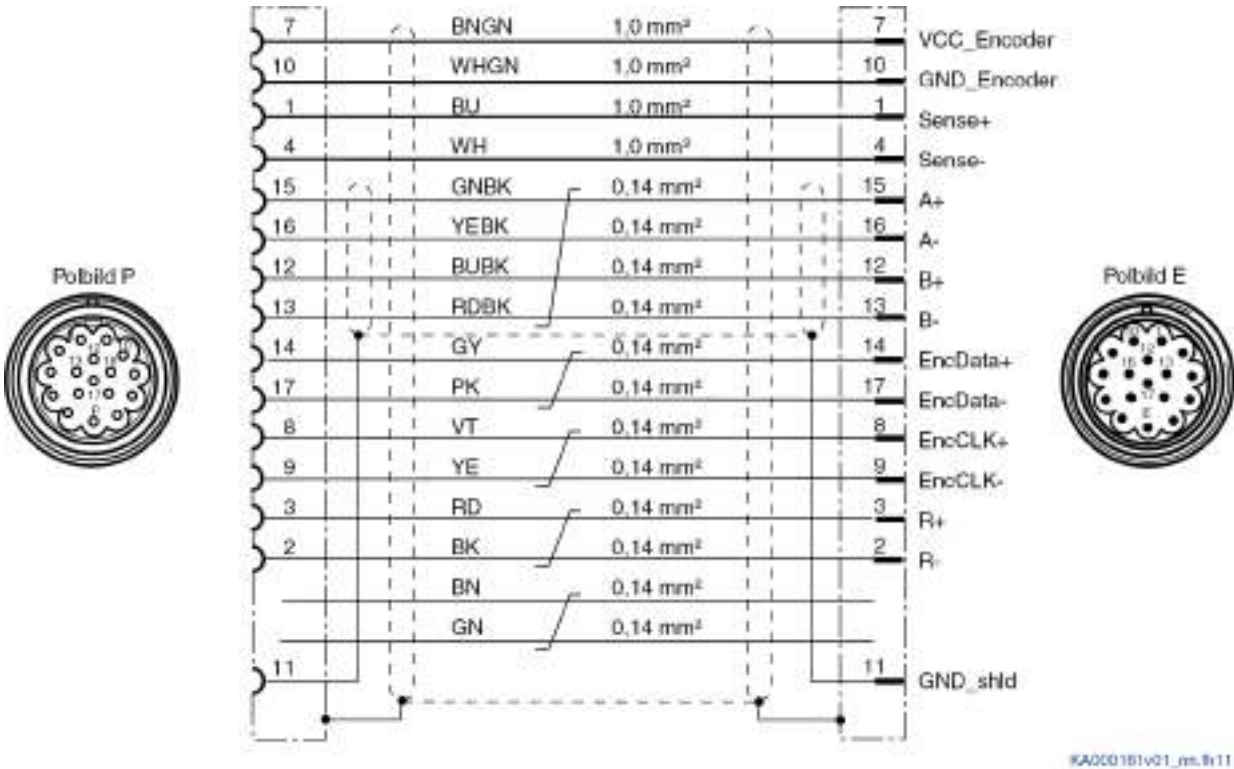
© Bosch Rexroth AG, 2013

Tab. 28-8: Interconnection diagram IKS4009

Connection Cables

IKS4012

Encoder Connection	Bulk cable	Connection controller
INS0379/C01	INK0532	INS0649/C01

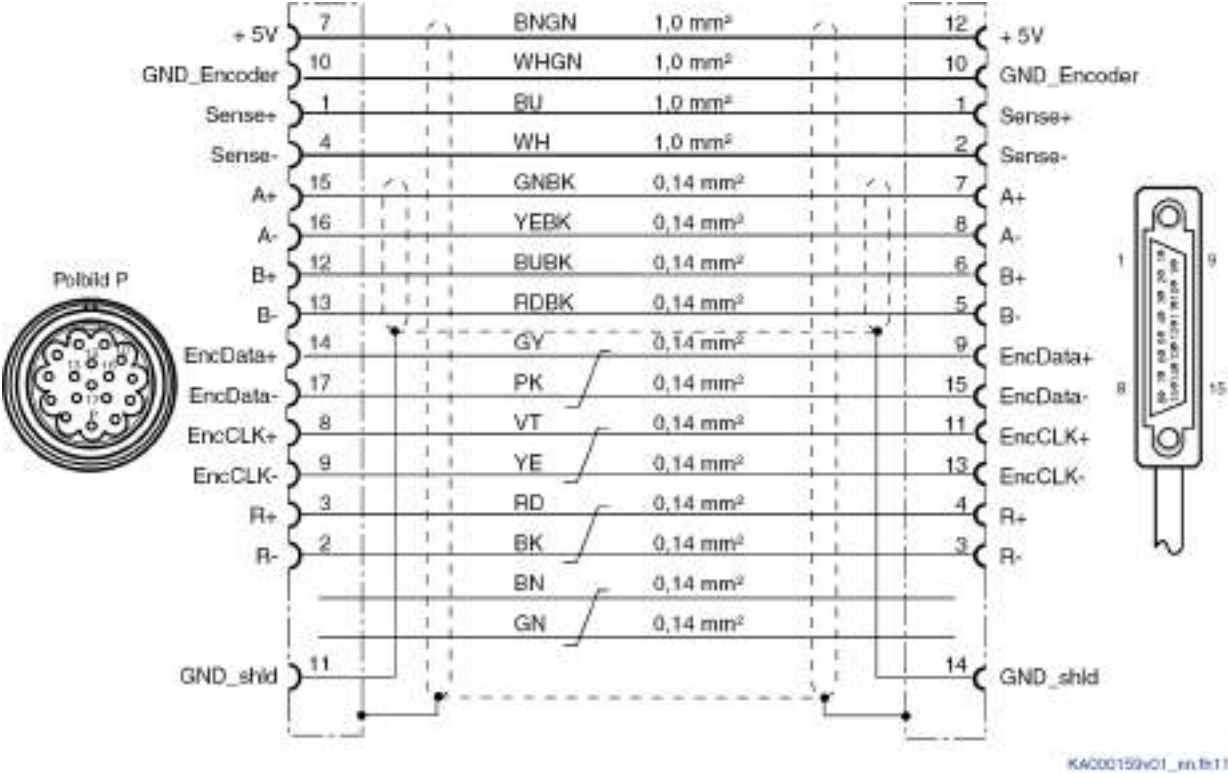


© Bosch Rexroth AG, 2013

Tab. 28-9: Interconnection diagram IKS4012

IKS4038

Encoder Connection	Bulk cable	Connection controller
INS0379/C01	INK0532	INS0761/L01



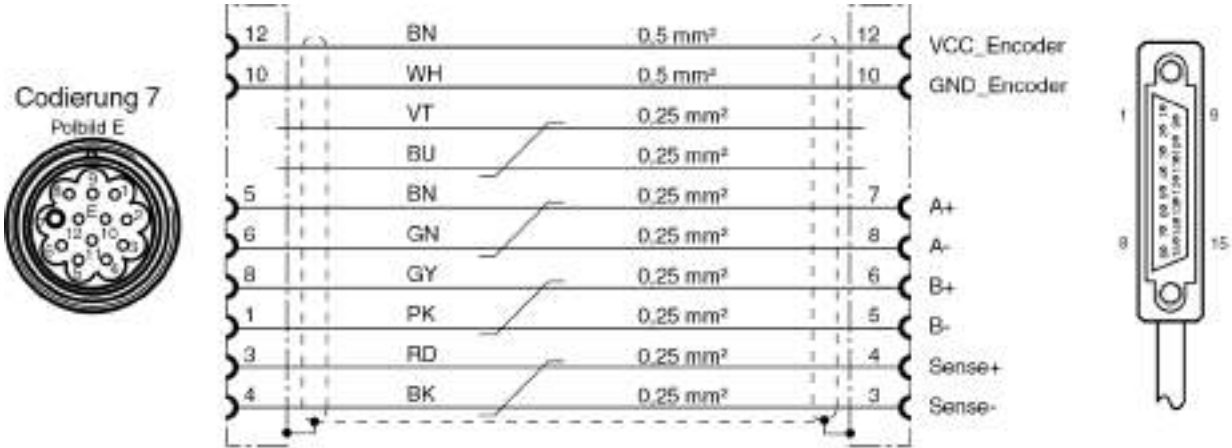
© Bosch Rexroth AG, 2013

Tab. 28-10: Interconnection diagram IKS4038

Connection Cables

IKS4039

Encoder Connection	Bulk cable	Connection controller
INS0493/C01	INK0448	INS0761/L01



KA000155v01_en.fm.11

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Tab. 28-11: Interconnection diagram IKS4039

IKS4040

Encoder Connection

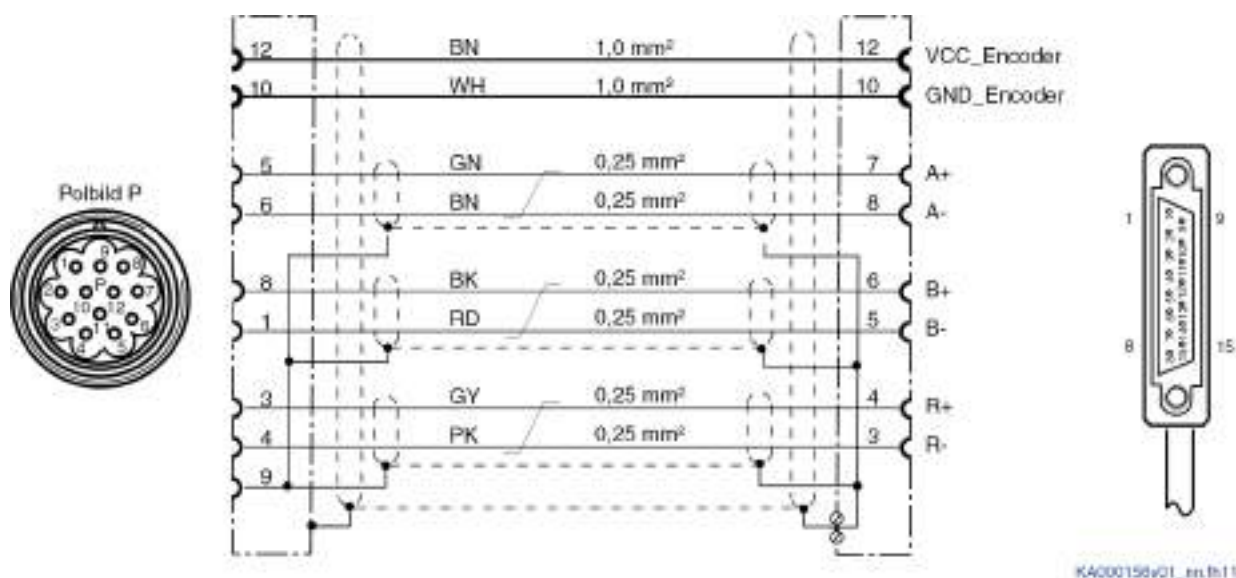
INS0451/C01

Bulk cable

INK0720

Connection controller

INS0761/L01



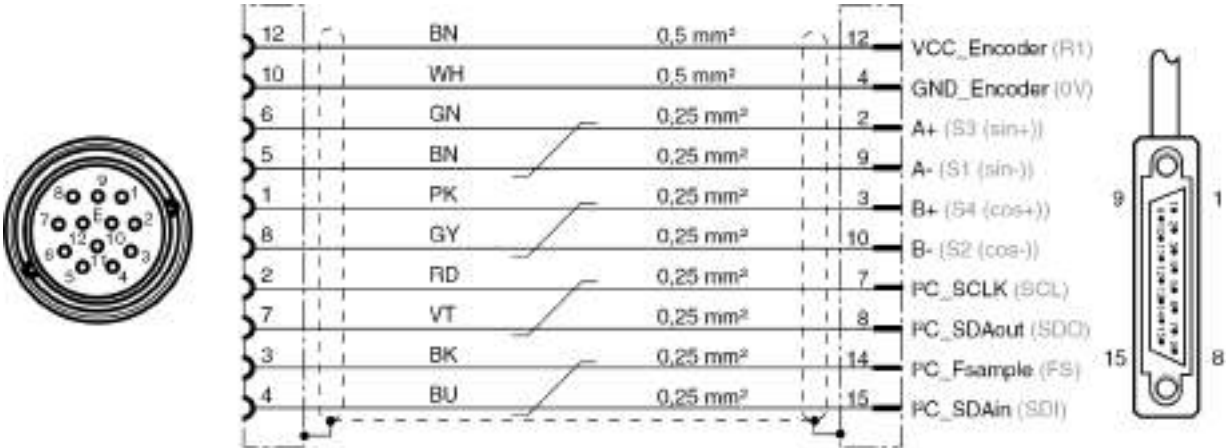
© Bosch Rexroth AG, 2013

Tab. 28-12: Interconnection diagram IKS4040

Connection Cables

IKS4042

Encoder Connection	Bulk cable	Connection controller
INS0713/C01	INK0448	INS0760/C01



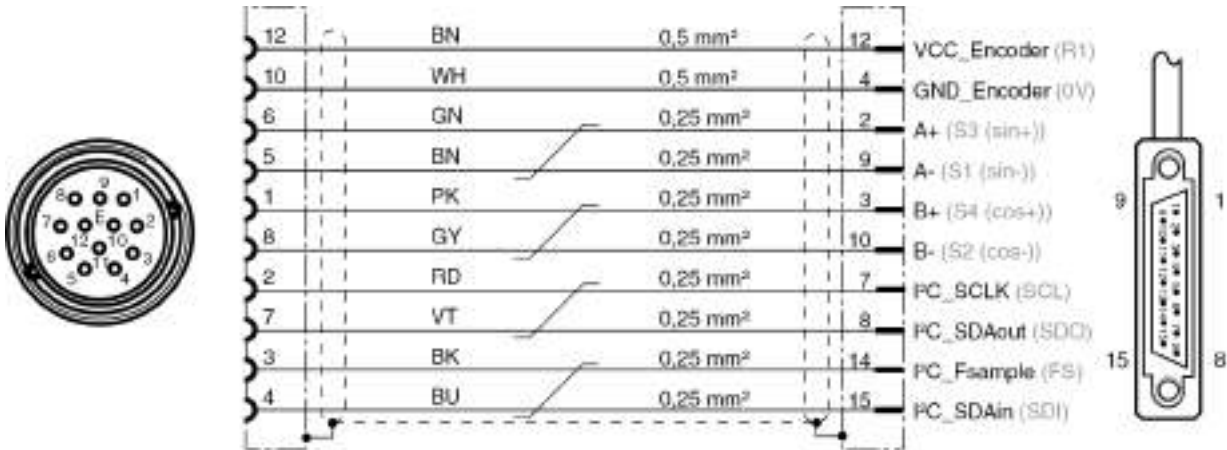
KA000062 v02_en_r071

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Tab. 28-13: Interconnection diagram IKS4042

IKS4044

Encoder Connection	Bulk cable	Connection controller
INS0511/C01	INK0448	INS0760/C01



KAD00062v02_en_R17.1

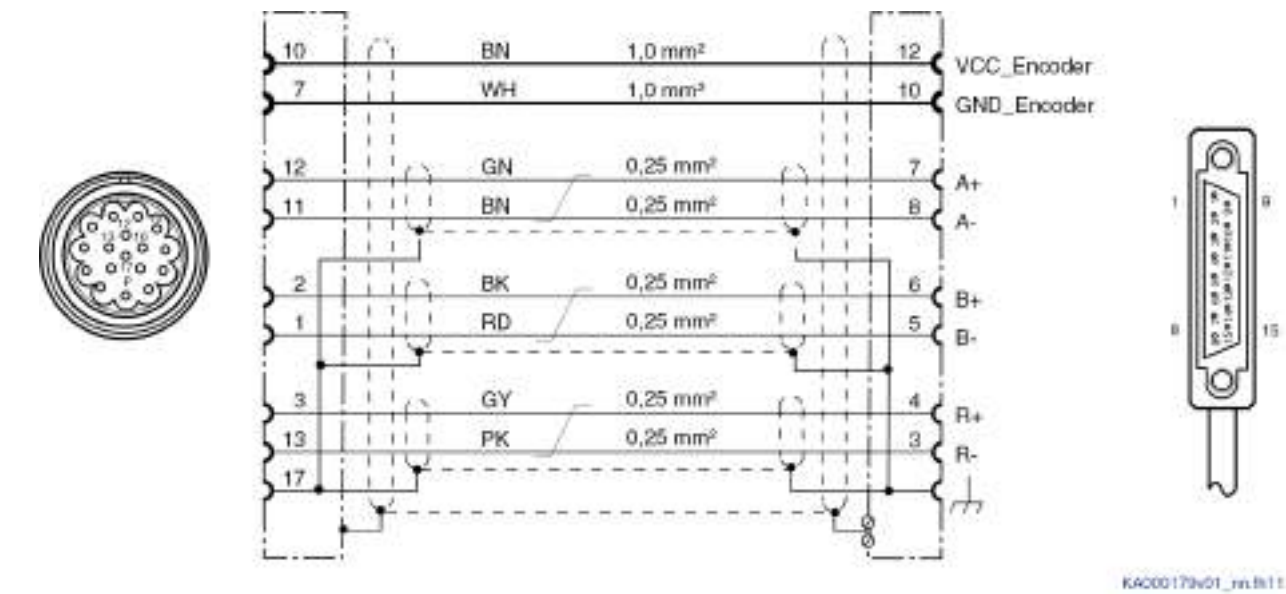
© Bosch Rexroth AG, 2013

Tab. 28-14: Interconnection diagram IKS4044

Connection Cables

IKS4051

Encoder Connection	Bulk cable	Connection controller
INS0379/C01	INK0720	INS0761/C01

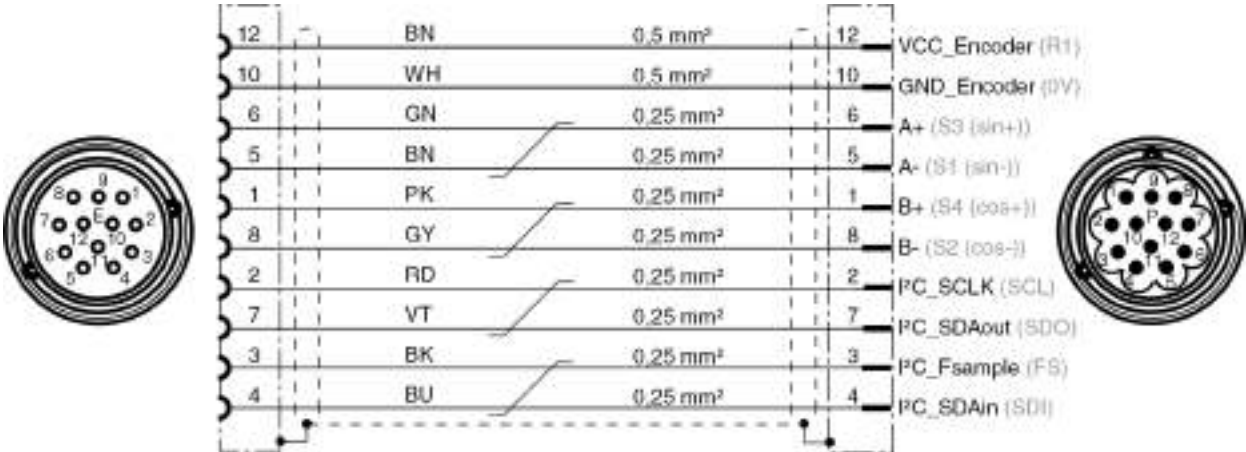


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Tab. 28-15: Interconnection diagram IKS4051

IKS4065

Encoder Connection	Bulk cable	Connection controller
INS0713/C01	INK0448	INS0717/C01



IKA000064/C02_en 1h11

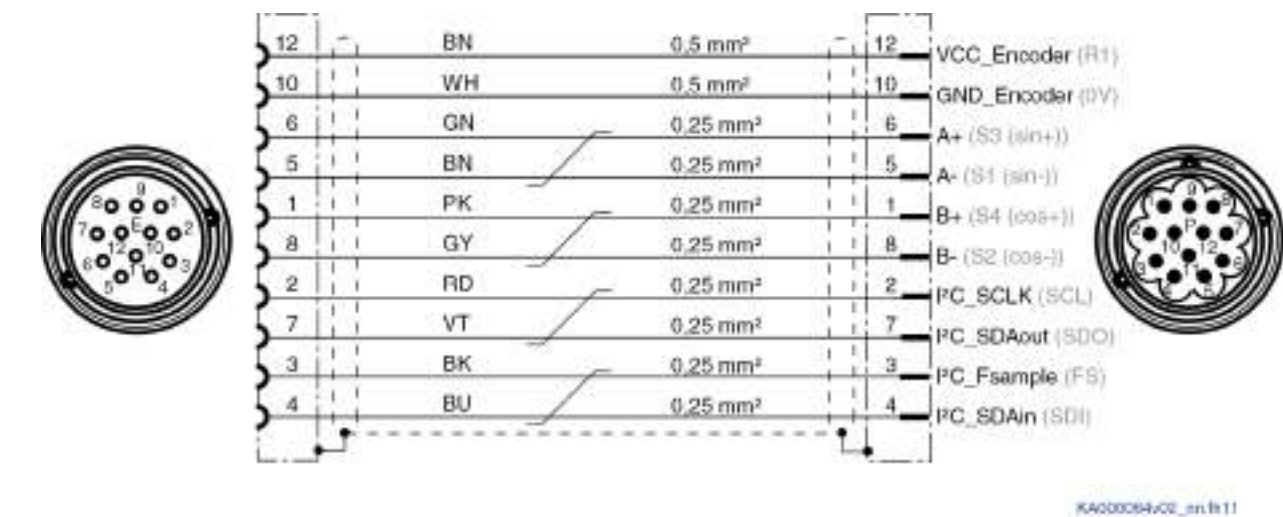
© Bosch Rexroth AG, 2013

Tab. 28-16: Interconnection diagram IKS4065

Connection Cables

IKS4066

Encoder Connection	Bulk cable	Connection controller
INS0511/C01	INK0448	INS0717/C01

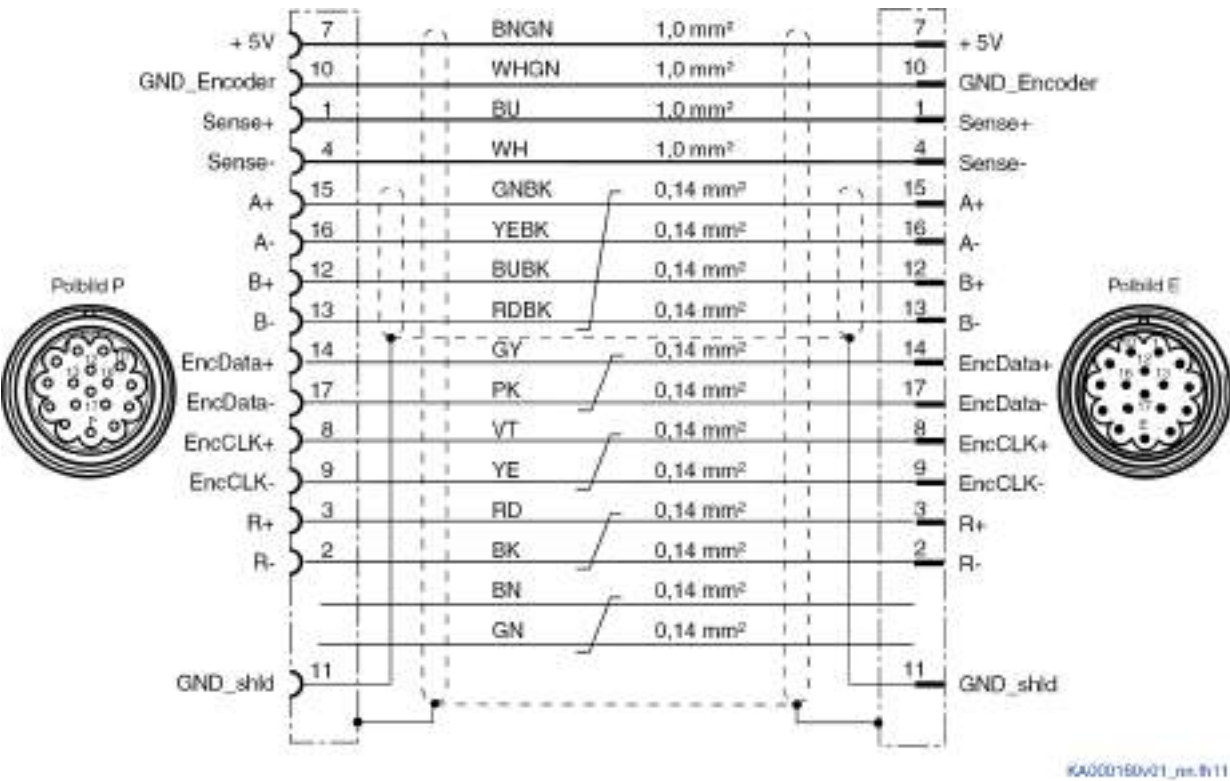


Tab. 28-17: Interconnection diagram IKS4066

IKS41xx

IKS4191

Encoder Connection	Bulk cable	Connection controller
INS0379/C01	INK0532	INS0643/C01



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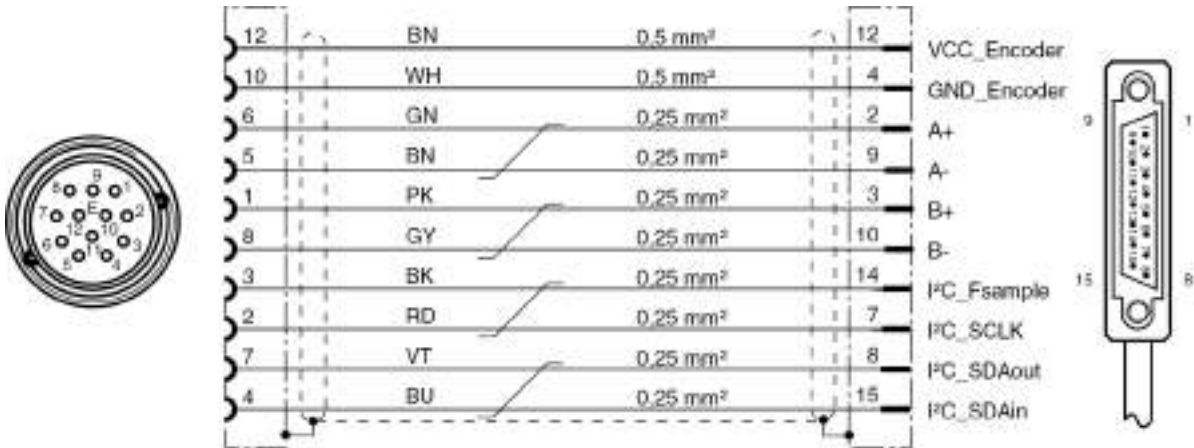
Tab. 28-18: Interconnection diagram IKS4191

Connection Cables

IKS43xx

IKS4374

Encoder Connection	Bulk cable	Connection controller
INS0713/C01	INK0448	INS0760/C01



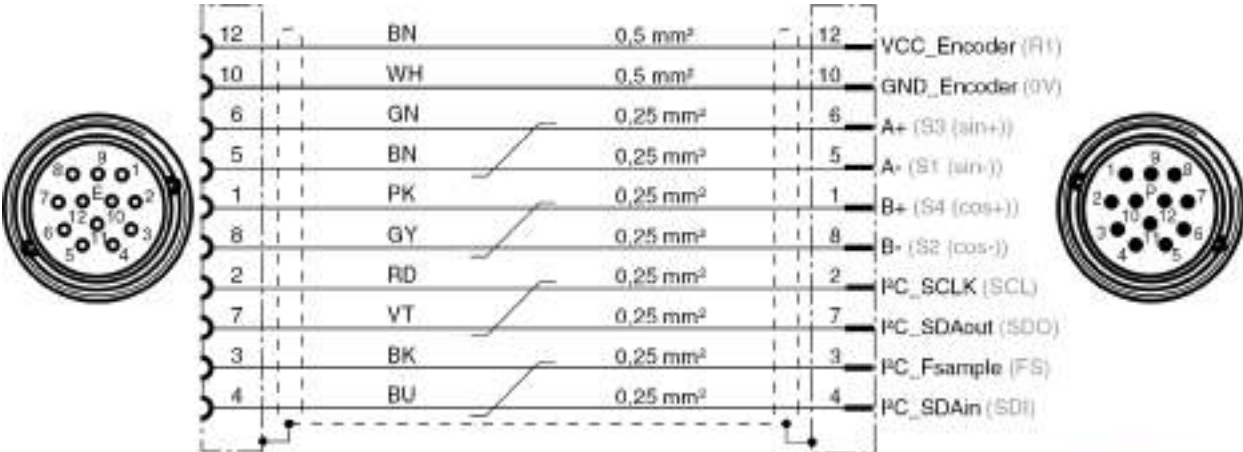
KA000140v01_mn.B11

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Tab. 28-19: Interconnection diagram IKS4374

IKS4376

Encoder Connection	Bulk cable	Connection controller
INS0713/C01	INK0448	INS0716/C01



KA000063v02_en.fm11

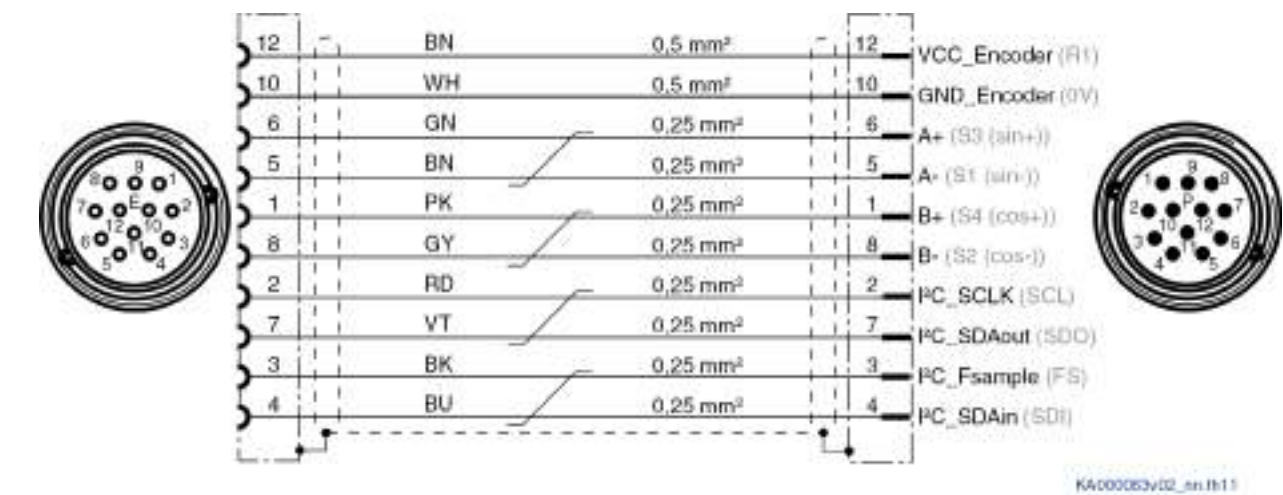
© Bosch Rexroth AG, 2013

Tab. 28-20: Interconnection diagram IKS4376

Connection Cables

IKS4377

Encoder Connection	Bulk cable	Connection controller
INS0511/C01	INK0448	INS0716/C01



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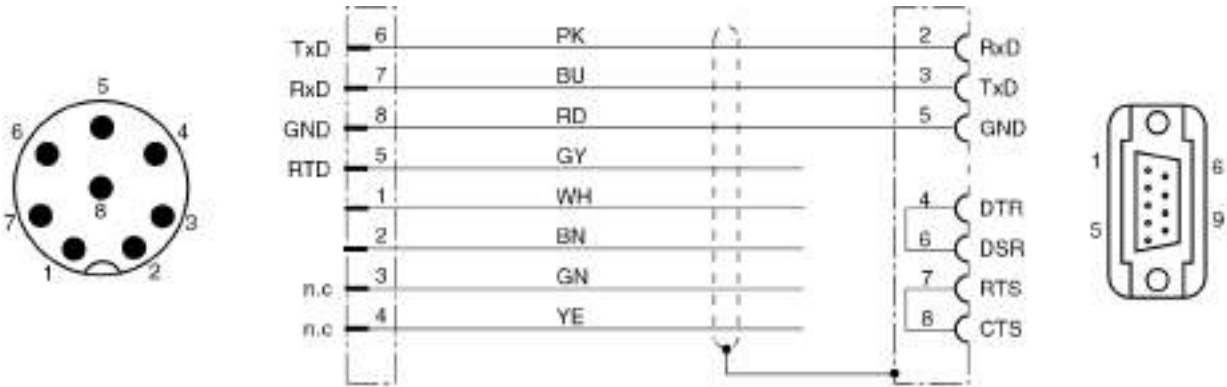
Tab. 28-21: Interconnection diagram IKS4377

28.1.2 RKBxxxx

RKB00xx

RKB0006

Connection electronics (KSM, KMS)	Bulk cable	Connection PC
X2		
M12, 8 pin	Bus cable	INS0457/L01



KA000065v01_en.B11

Notes on use: X2, serial interface

The serial interface (RS232) is needed for programming, parameterization and diagnostics for startup and maintenance (with a PC and the IndraWorks D commissioning software).

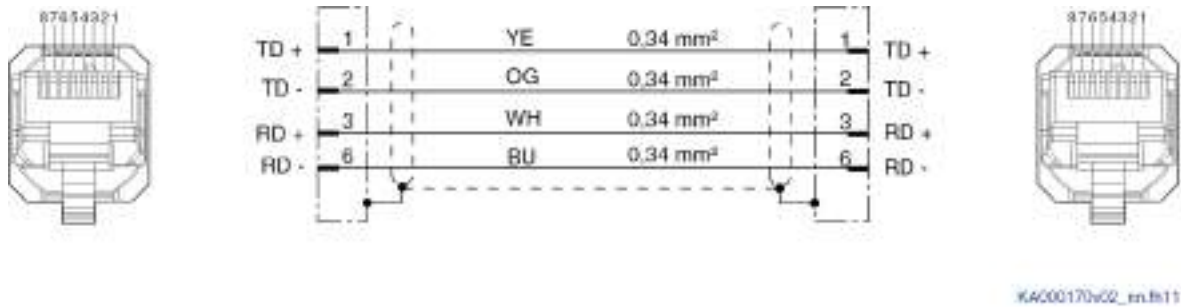
© Bosch Rexroth AG, 2013

Tab. 28-22: Interconnection diagram RKB0006

Connection Cables

RKB0011

Connection amplifier	Bulk cable	Connection PC
RBS0016/S01	REB0400	RBS0016/S01

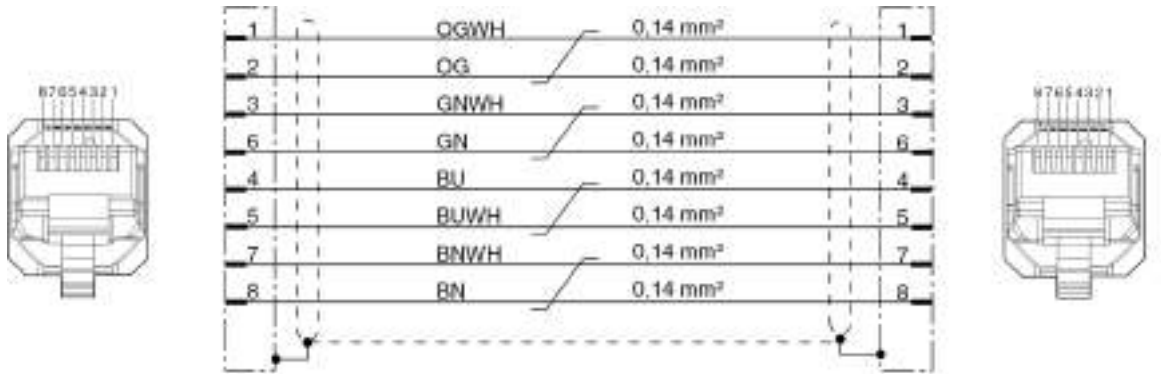


Notes on use: Connect drive system with a superior control unit (maximum 100 m); refer to project planning manual Rexroth IndraDrive Cs, Drive Systems with HCS01
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Tab. 28-23: Interconnection diagram RKB0011

RKB0013

Encoder Connection	Bulk cable	Connection controller
RJ45, 8 pin	Sercos III cable, 100-Base-T, CAT5E, shielded	RJ45, 8 pin



KA002193v02_mh11

Notes on use: only for fix lengths
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Tab. 28-24: Interconnection diagram RKB0013

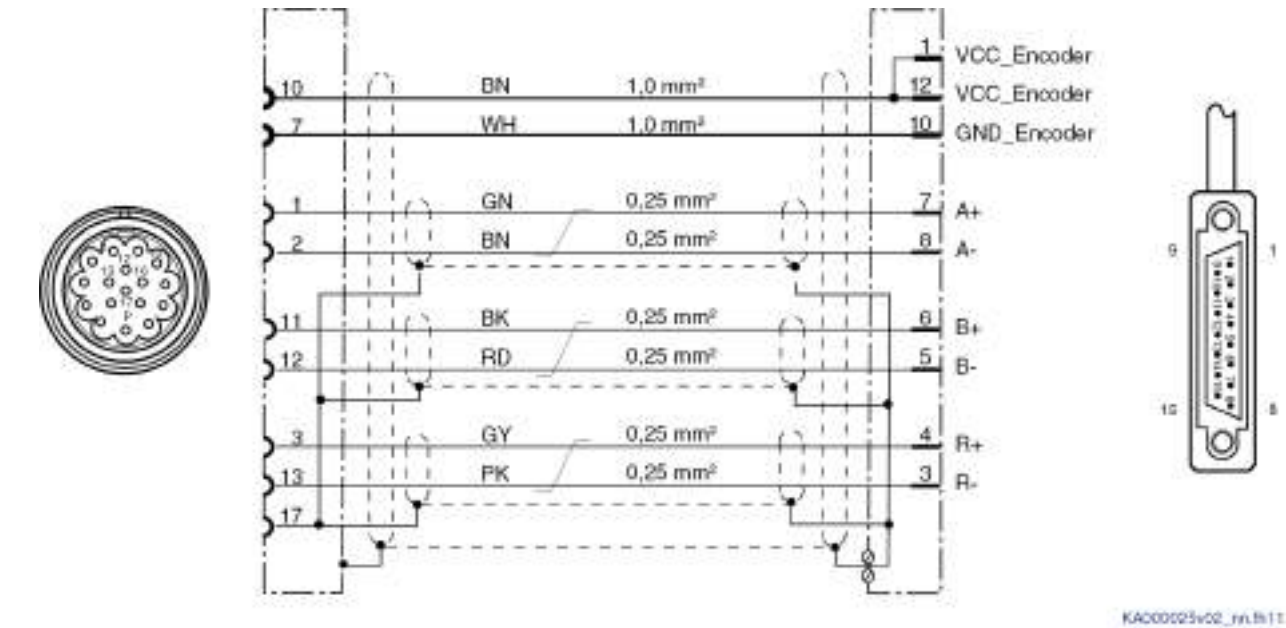
Connection Cables

28.1.3 RKGxxxx

RKG00xx

RKG0001

Encoder Connection	Bulk cable	Connection controller
INS0379/C01	INK0720	INS0760/L01

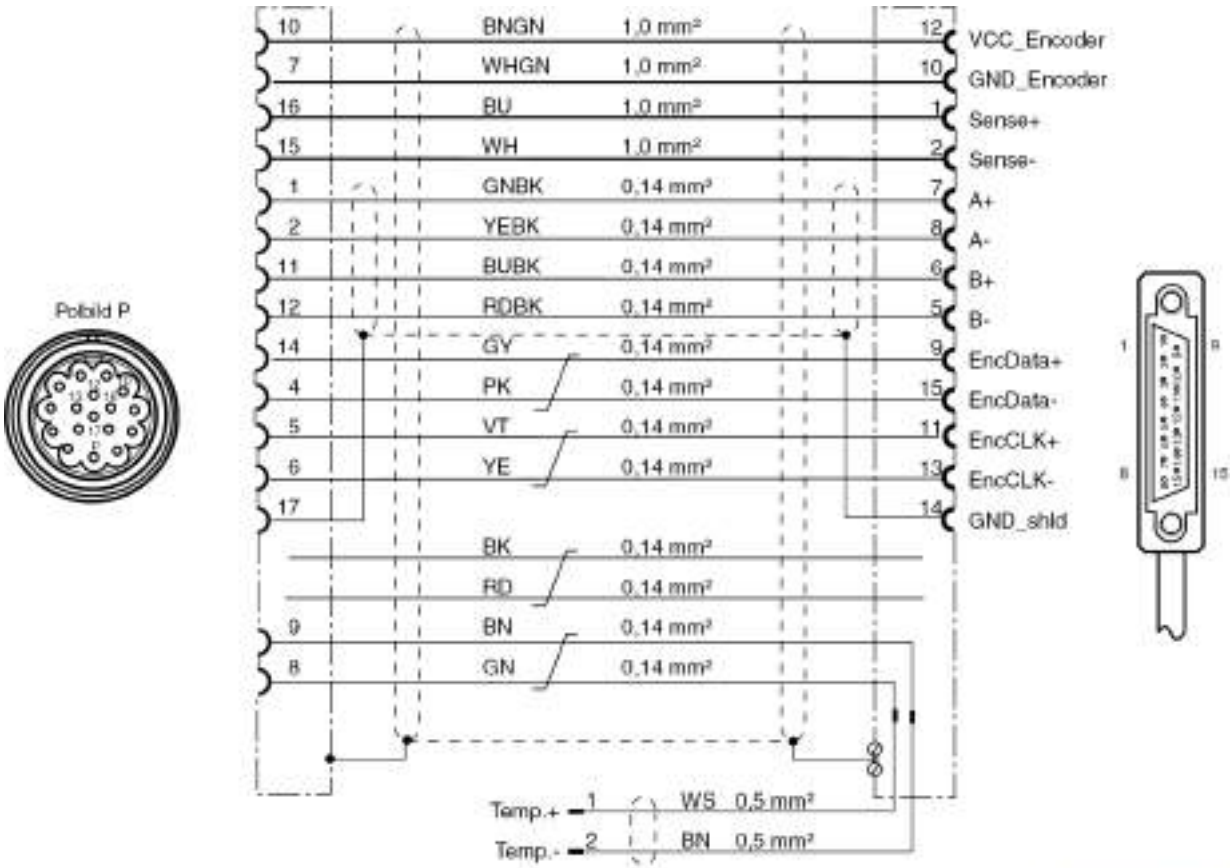


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Tab. 28-25: Interconnection diagram RKG0001

RKG0004

Encoder Connection	Bulk cable	Connection controller
INS0379/C01	INK0532	INS0761/L01



9AC00168v01_en.fm.11

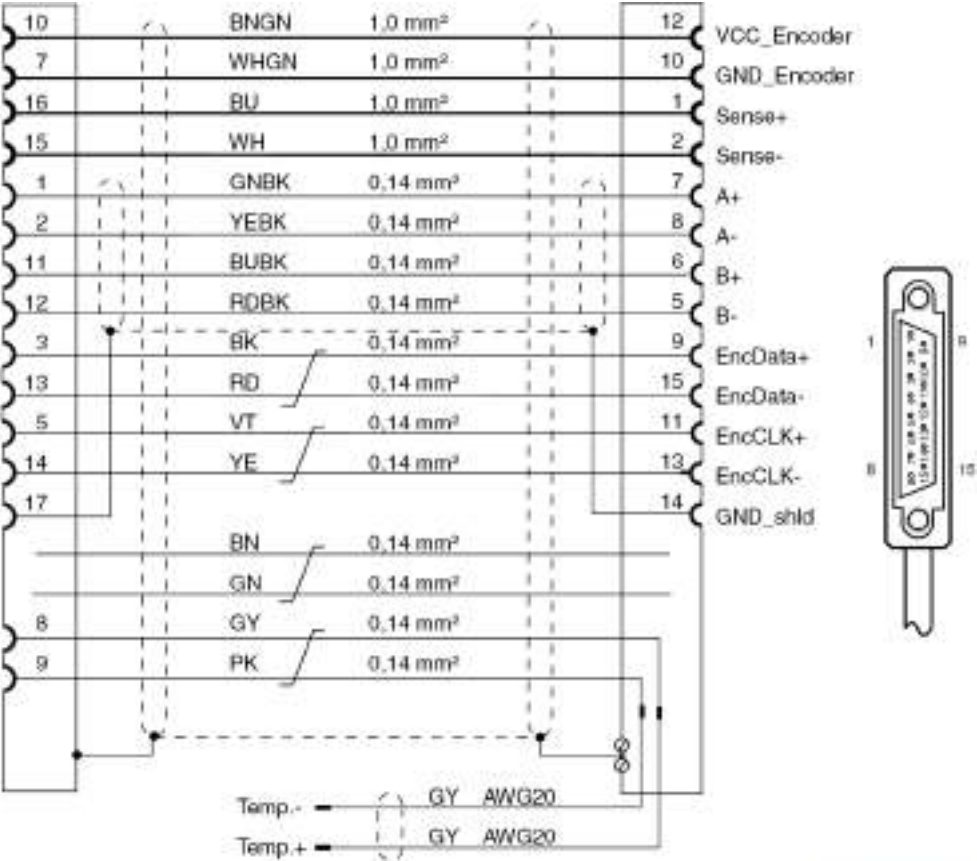
© Bosch Rexroth AG, 2013

Tab. 28-26: Interconnection diagram RKG0004

Connection Cables

RKG0006

Encoder Connection	Bulk cable	Connection controller
INS0379/C01	INK0532	INS0761/L01



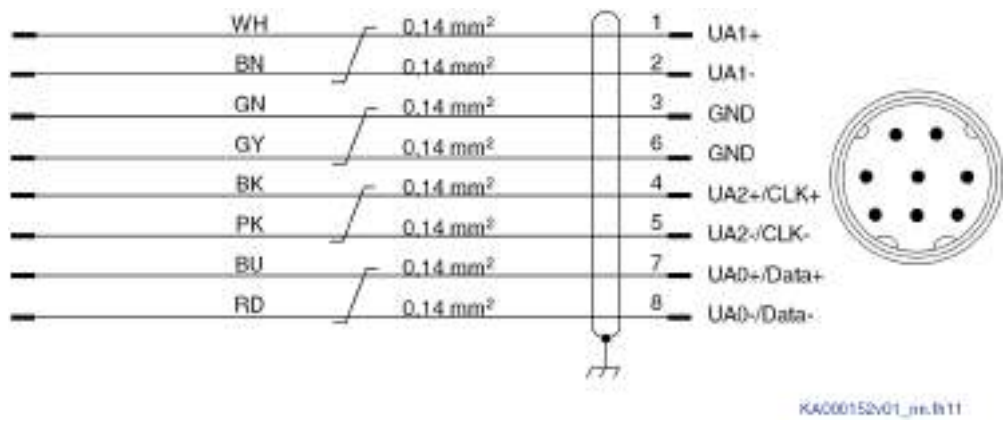
KA000181v01_en.B011

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Tab. 28-27: Interconnection diagram RKG0006

RKG0008

Encoder Connection	Bulk cable	Connection controller
WEF0008 ^{*)}	(4x2x0.14) ² C	RGS0007/L01 ^{*)}



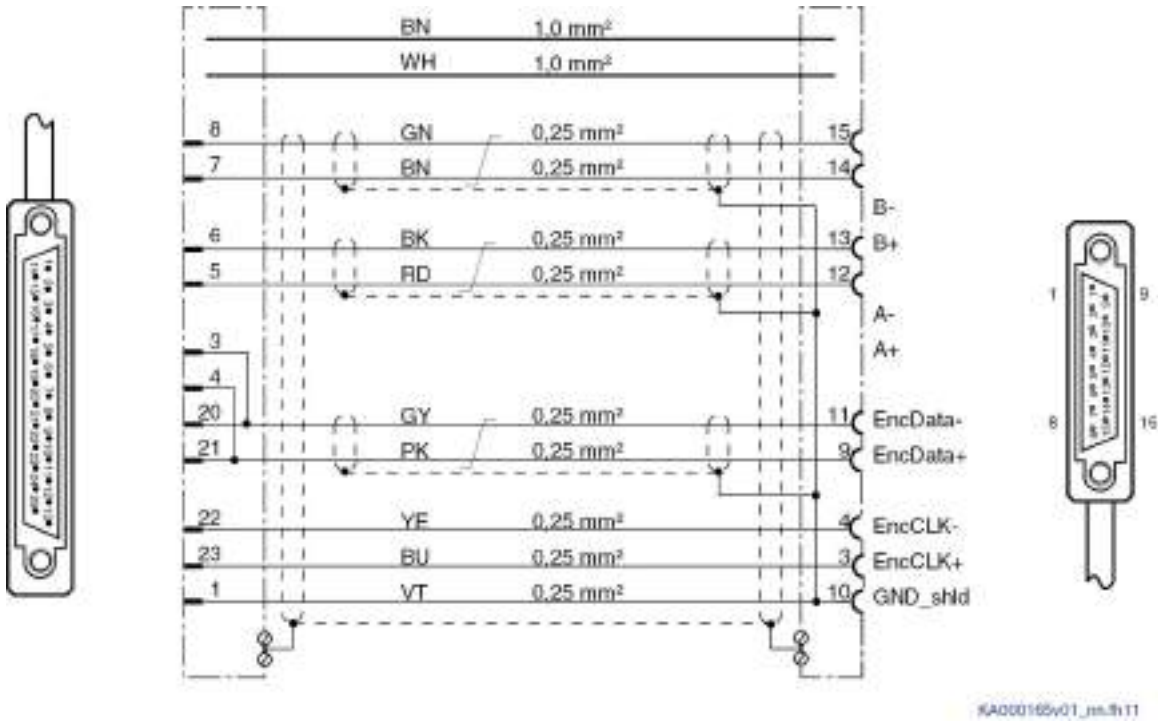
© Bosch Rexroth AG, 2013

^{*)} cannot be ordered separately
Tab. 28-28: Interconnection diagram RKG0008

Connection Cables

RKG0010

Encoder Connection	Bulk cable	Connection controller
INS0769/L01	INK0280	INS0761/L01



Notes on use: Incremental encoder - emulation: CLM on MEM
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Tab. 28-29: Interconnection diagram RKG0010

RKG0011

Encoder Connection

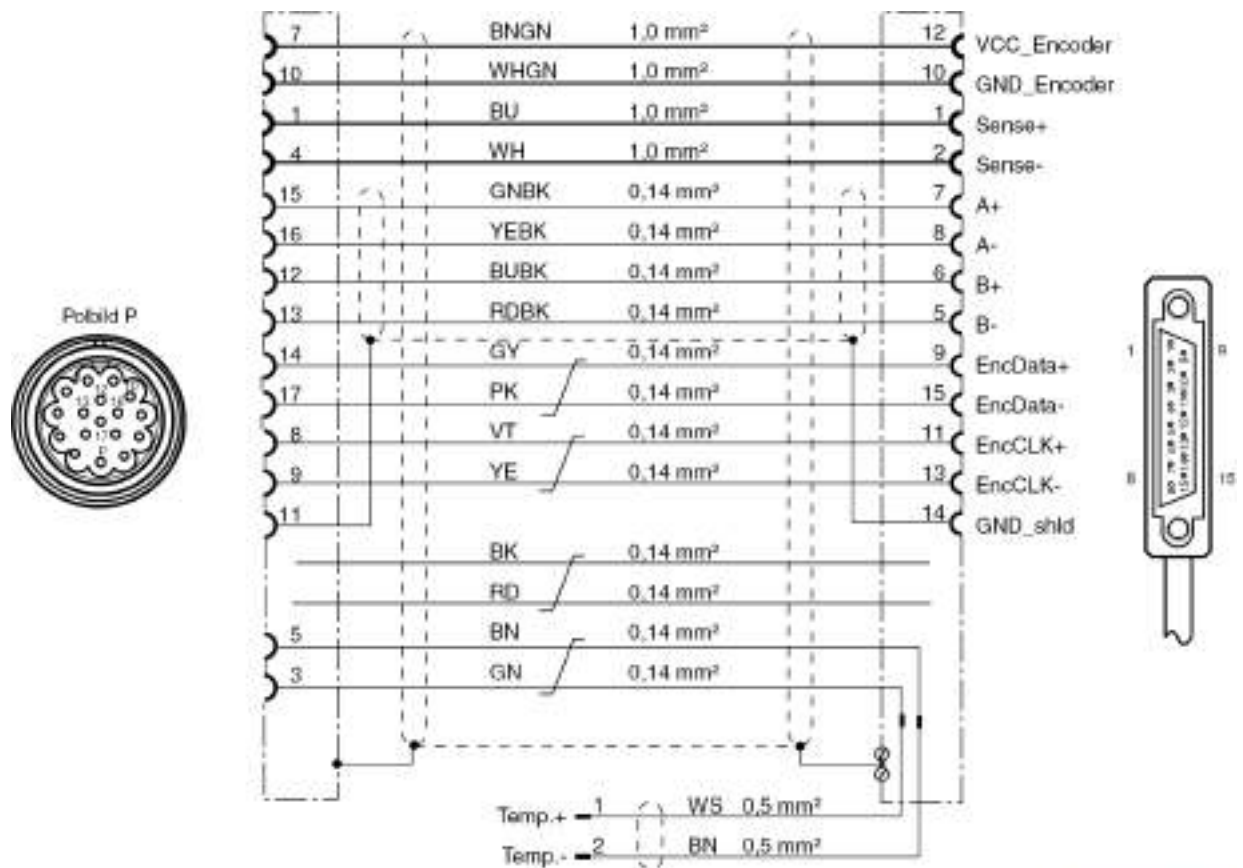
INS0379/L01

Bulk cable

INK0532

Connection controller

INS0761/L01



9AC00180v01_en.fm.11

Notes on use: Incremental encoder - emulation: CLM on MEM

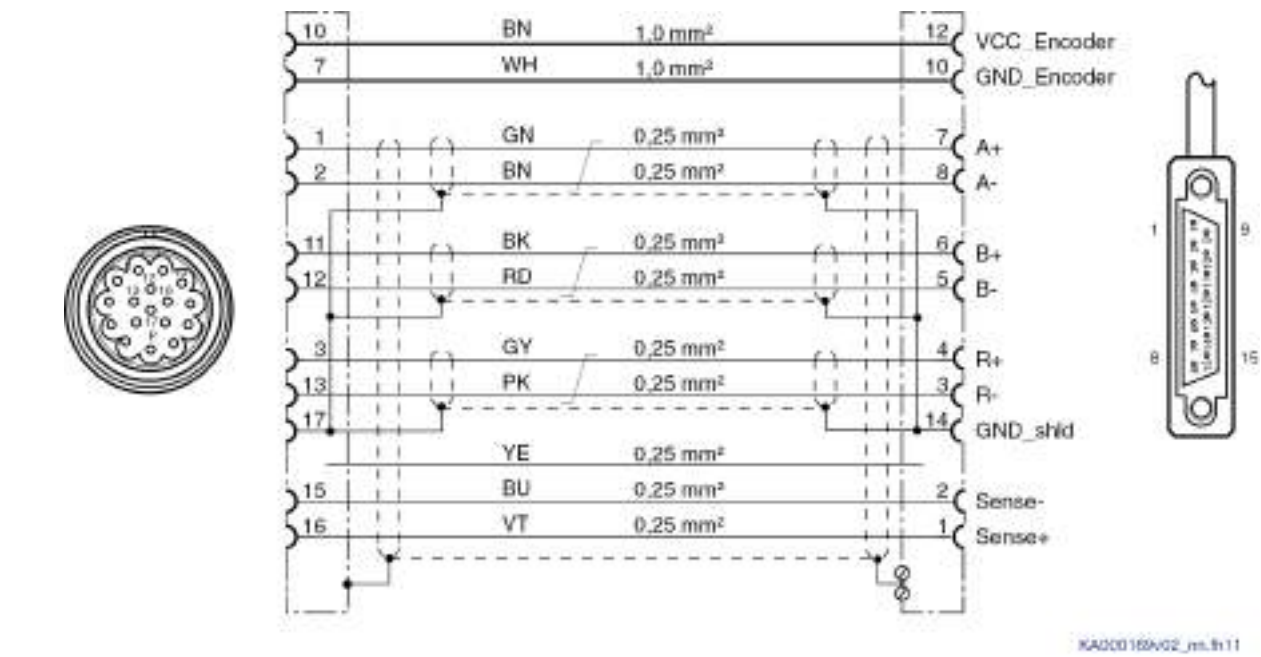
© Bosch Rexroth AG, 2013

Tab. 28-30: Interconnection diagram RKG0010

Connection Cables

RKG0013

Encoder Connection	Bulk cable	Connection controller
INS0379/C01	INK0280	INS0761/L01



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Tab. 28-31: Interconnection diagram RKG0013

RKG0014

Encoder Connection

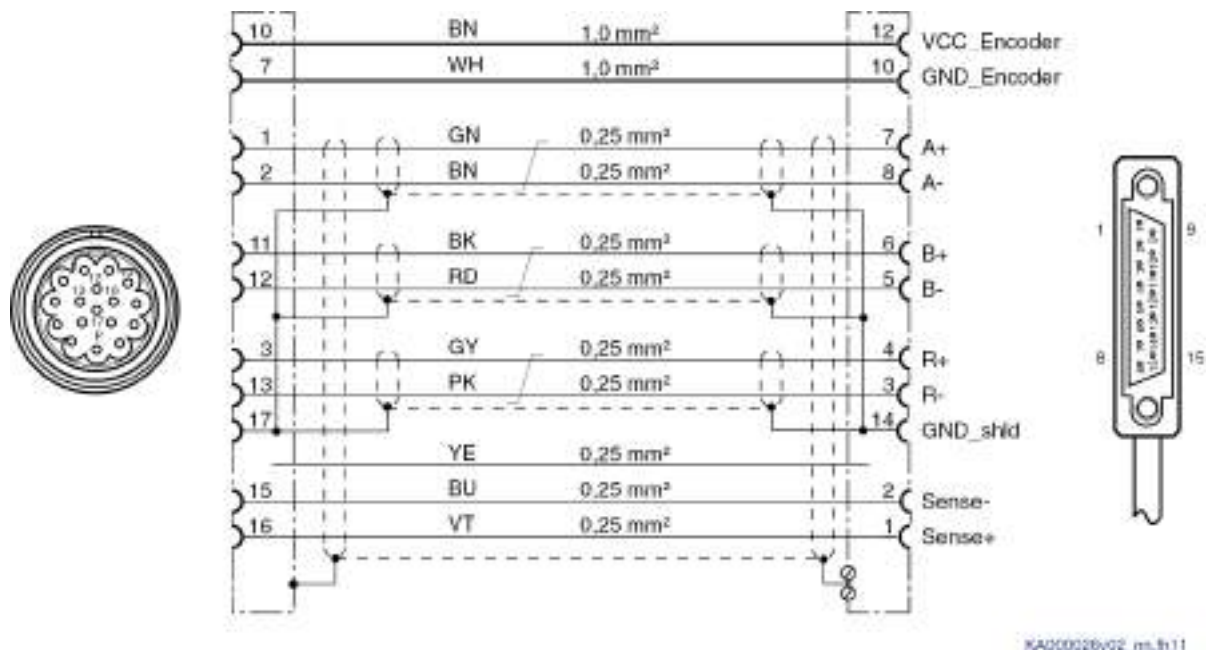
INS0379/C01

Bulk cable

INK0280

Connection controller

INS0761/L01



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Tab. 28-32: Interconnection diagram RKG0014

Connection Cables

RKG0015

Encoder Connection

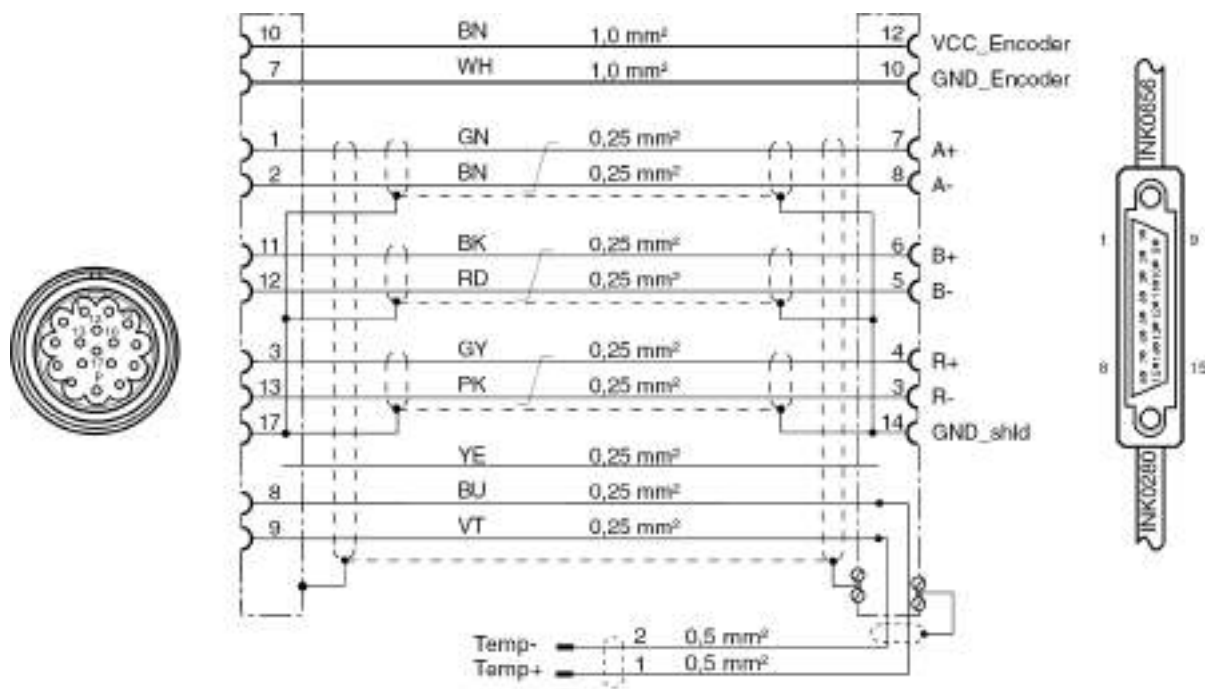
INS0379/C01

Bulk cable

INK0280

Connection controller

INS0761/L01



KA000041v03_nst.ft11

Notes on use:

- Connection Rexroth ServoDyn D SF with singleturn encoder STG or with multturn encoder MTG on optional module IndraDrive EN2

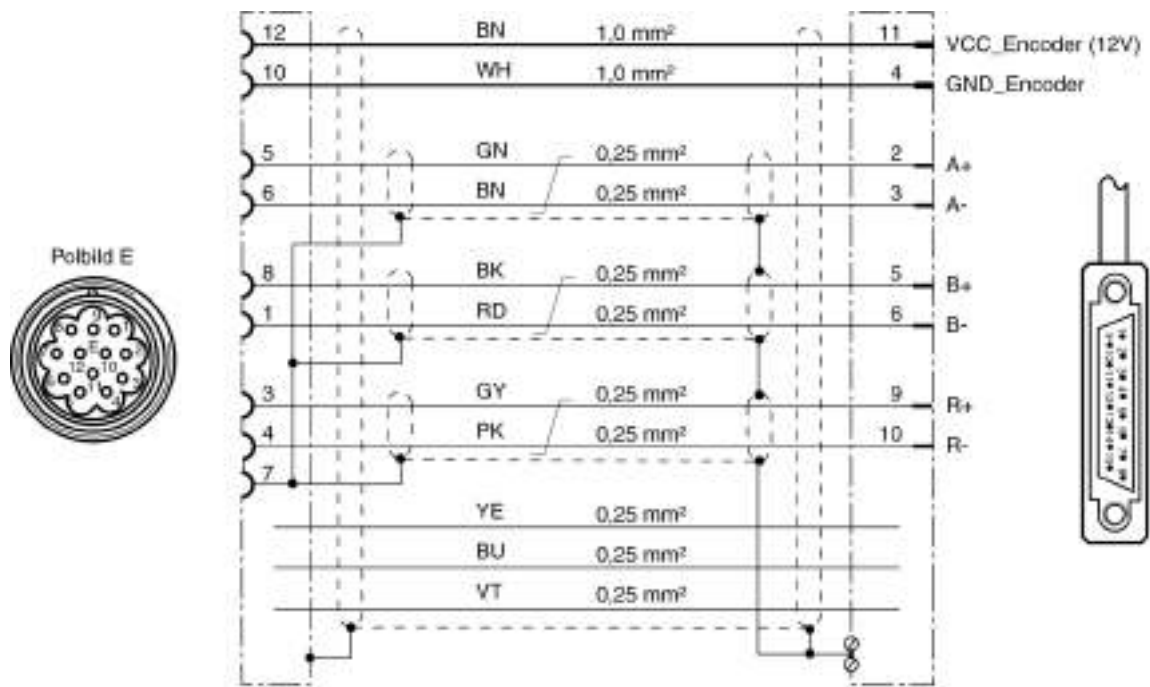
- Connection of 3rd-Party-Motors

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Tab. 28-33: Interconnection diagram RKG0015

RKG0017

Encoder Connection	Bulk cable	Connection controller
INS0639/C01	INK0720	INS0760/L01



KA000173v01_en.r11.1

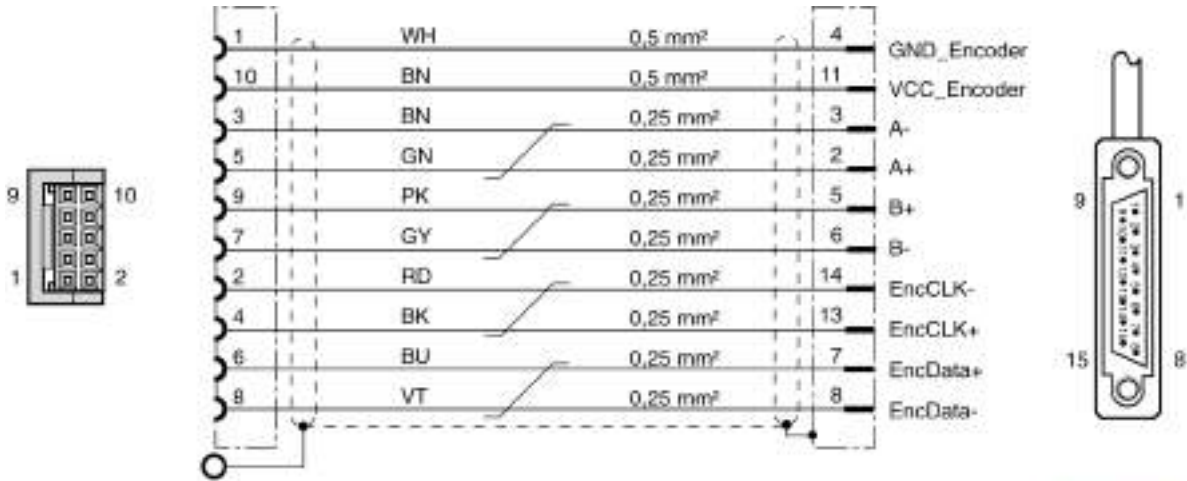
© Bosch Rexroth AG, 2013

Tab. 28-34: Interconnection diagram RKG0017

Connection Cables

RKG0020

Encoder Connection	Bulk cable	Connection controller
INS0672/C01	INK0448	INS0760/C01



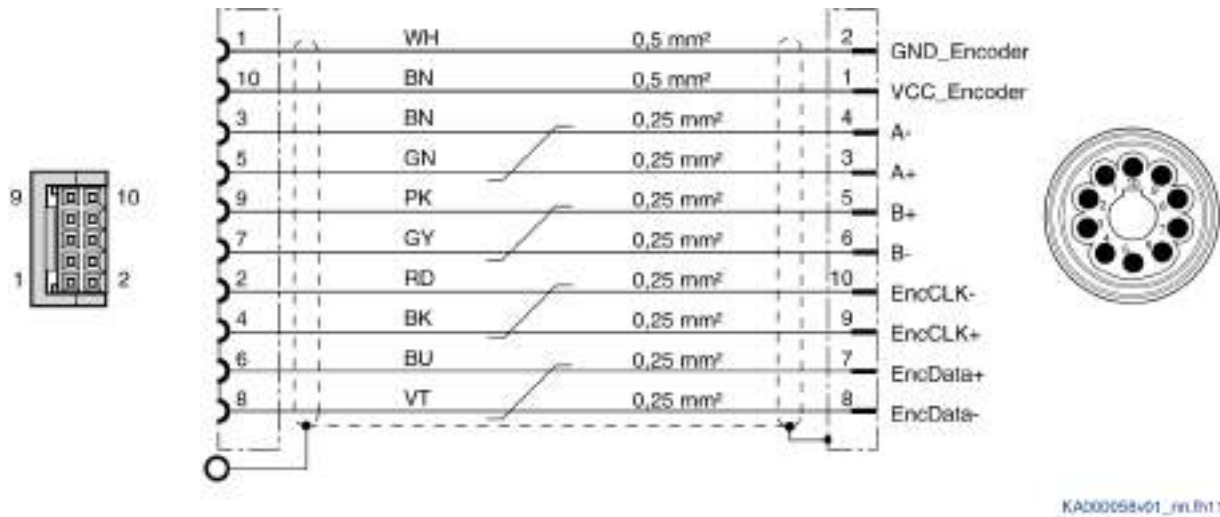
KA00057v01_fm.B1.1

© Bosch Rexroth AG, 2013

Tab. 28-35: Interconnection diagram RKG0020

RKG0021

Encoder Connection	Bulk cable	Connection controller
INS0672/C01	INK0448	RGS1002/C01



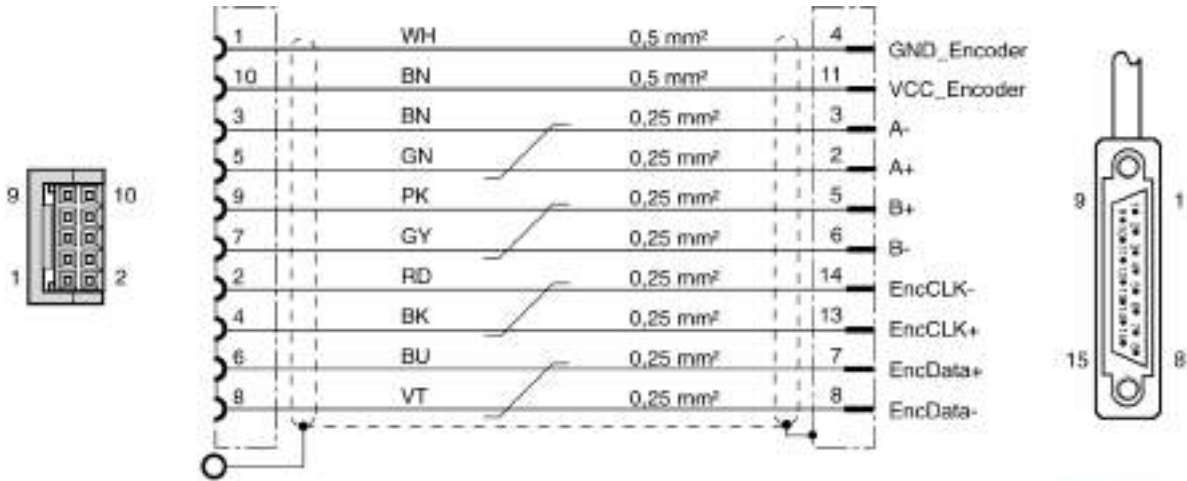
© Bosch Rexroth AG, 2013

Tab. 28-36: Interconnection diagram RKG0021

Connection Cables

RKG0022

Encoder Connection	Bulk cable	Connection controller
INS0672/C01	INK0448	INS0760/C01



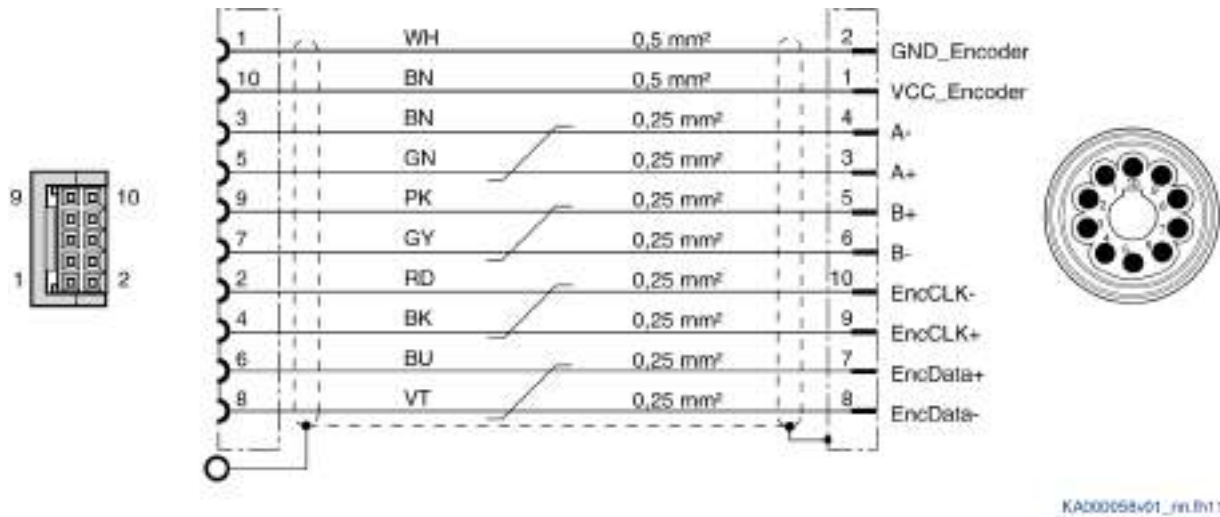
KA00057v01_fm.B1.1

© Bosch Rexroth AG, 2013

Tab. 28-37: Interconnection diagram RKG0022

RKG0023

Encoder Connection	Bulk cable	Connection controller
INS0672/C01	INK0448	RGS1002/C01



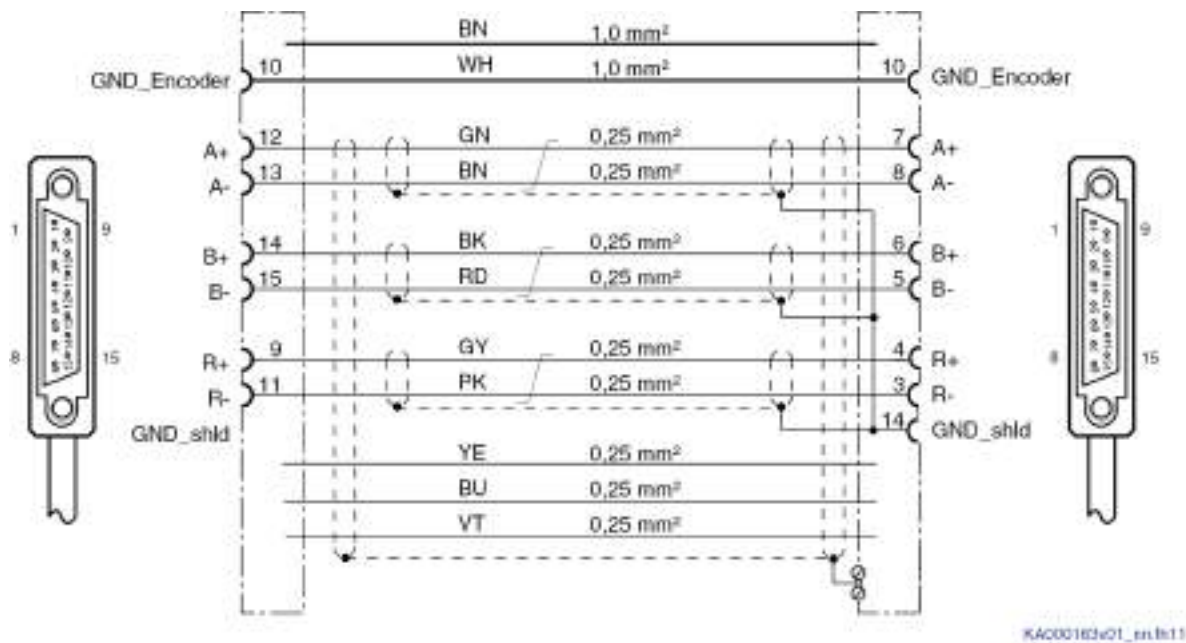
© Bosch Rexroth AG, 2013

Tab. 28-38: Interconnection diagram RKG0023

Connection Cables

RKG0024

Encoder Connection	Bulk cable	Connection controller
INS0761/L01	INK0720	INS0761/L01

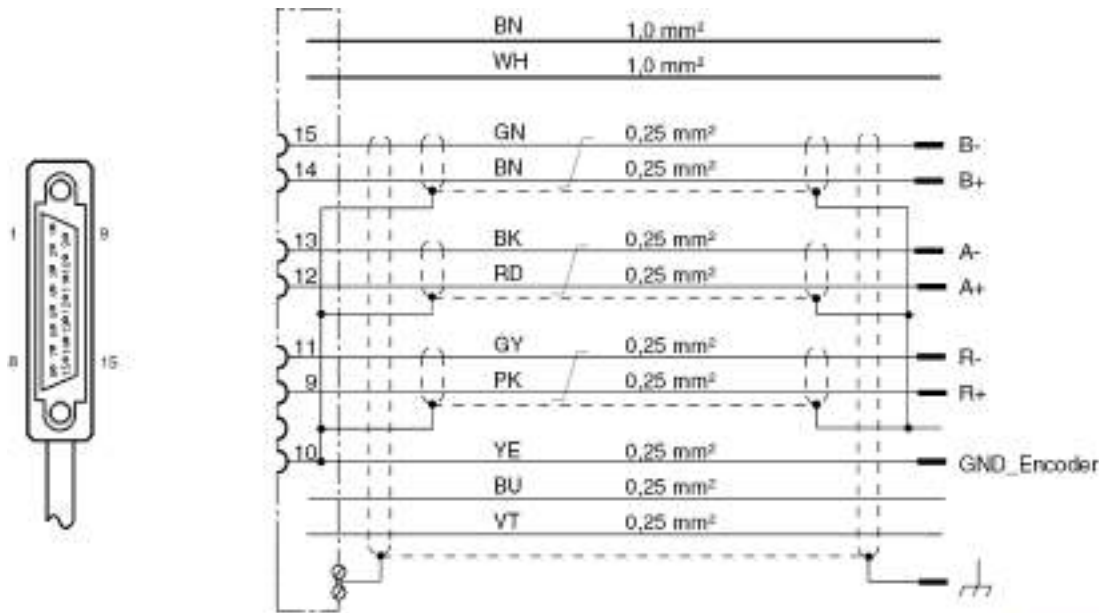


Notes on use: Incremental encoder emulation (MEM on EN2)
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Tab. 28-39: Interconnection diagram RKG0024

RKG0025

Encoder Connection	Bulk cable	Connection controller
INS0761/L01	INK0280	AEH



KA000184v01_en.fm11

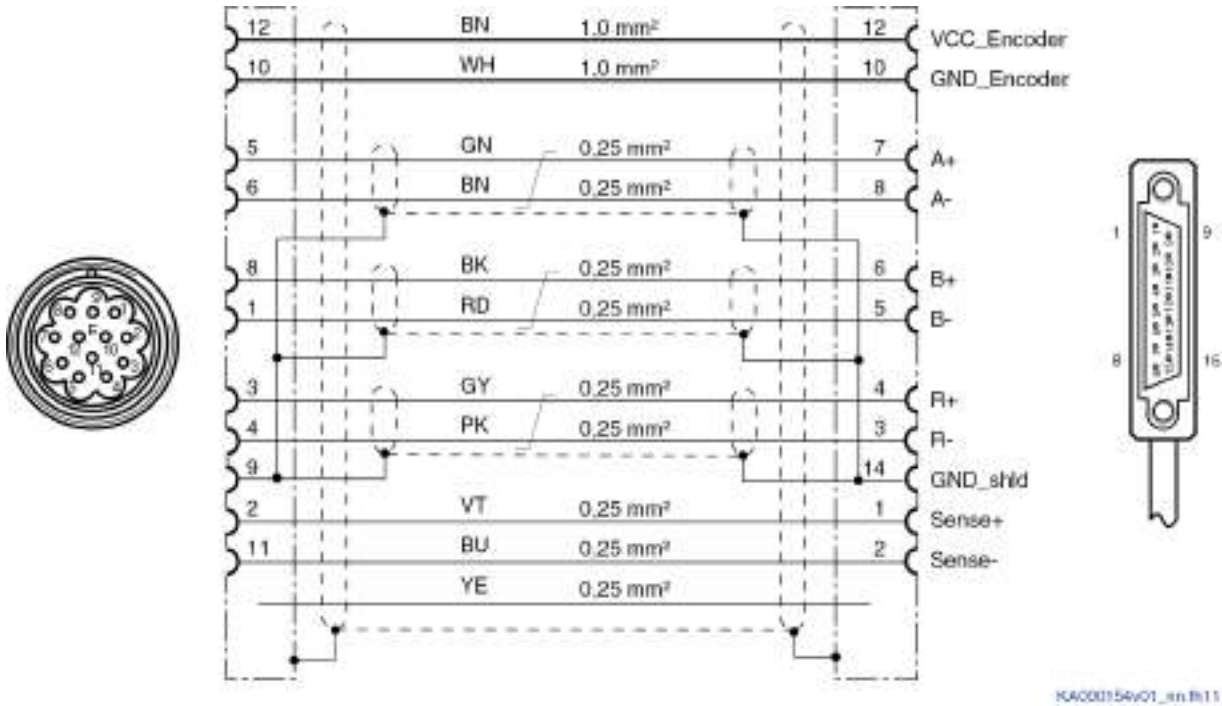
© Bosch Rexroth AG, 2013

Tab. 28-40: Interconnection diagram RKG0025

Connection Cables

RKG0026

Encoder Connection	Bulk cable	Connection controller
INS0639/C01	INK0280	INS0761/L01

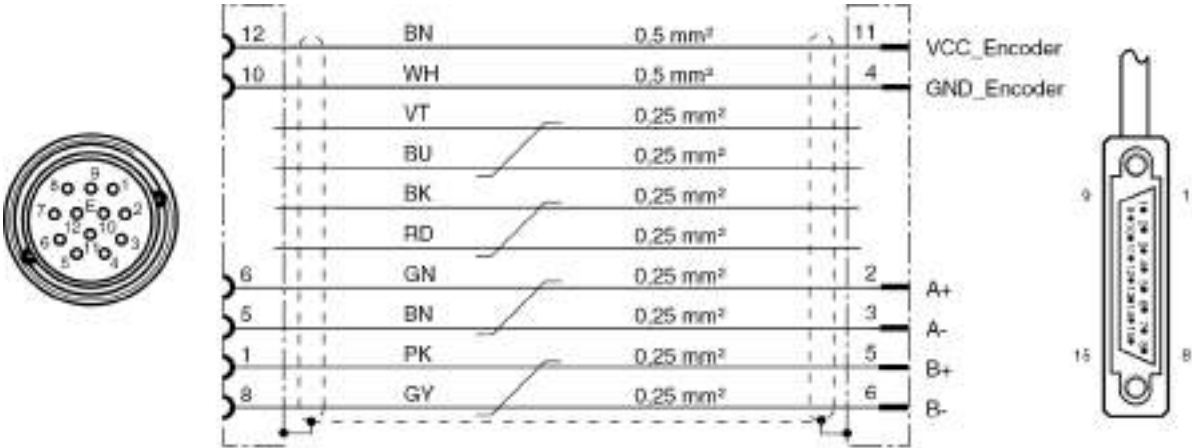


© Bosch Rexroth AG, 2013

Tab. 28-41: Interconnection diagram RKG0026

RKG0027

Encoder Connection	Bulk cable	Connection controller
INS0713/C01	INK0448	INS0760/C01



KA000544v02_en1511

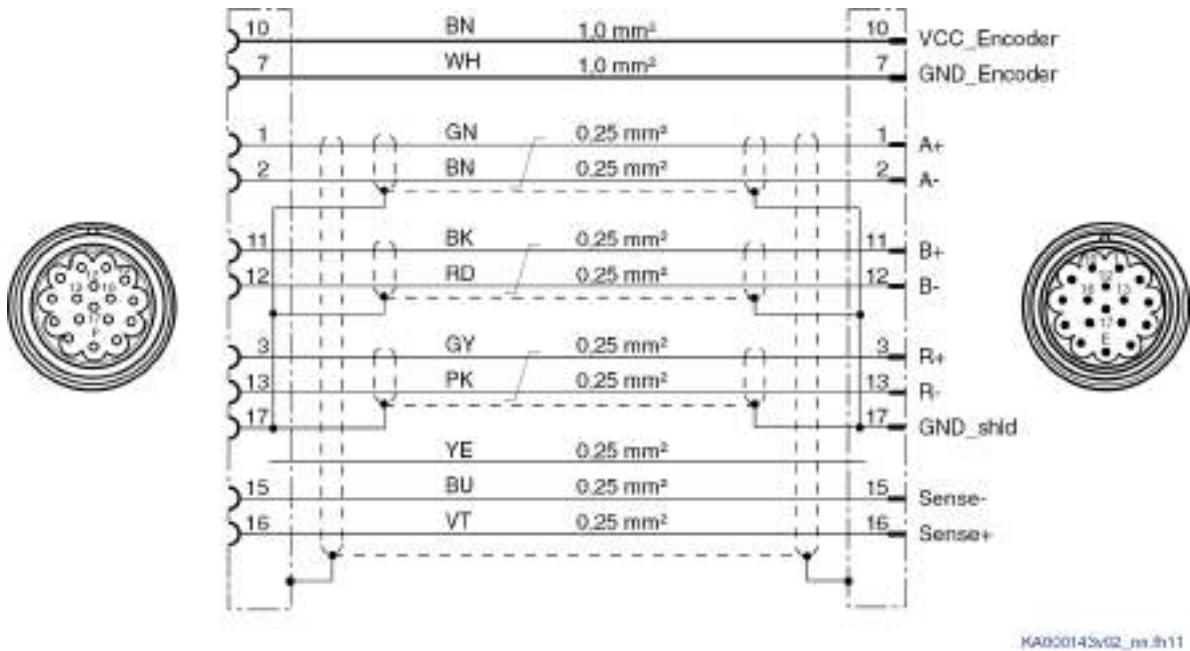
© Bosch Rexroth AG, 2013

Tab. 28-42: Interconnection diagram RKG0027

Connection Cables

RKG0028

Encoder Connection	Bulk cable	Connection controller
INS0379/C01	INK0280	INS0643/C01

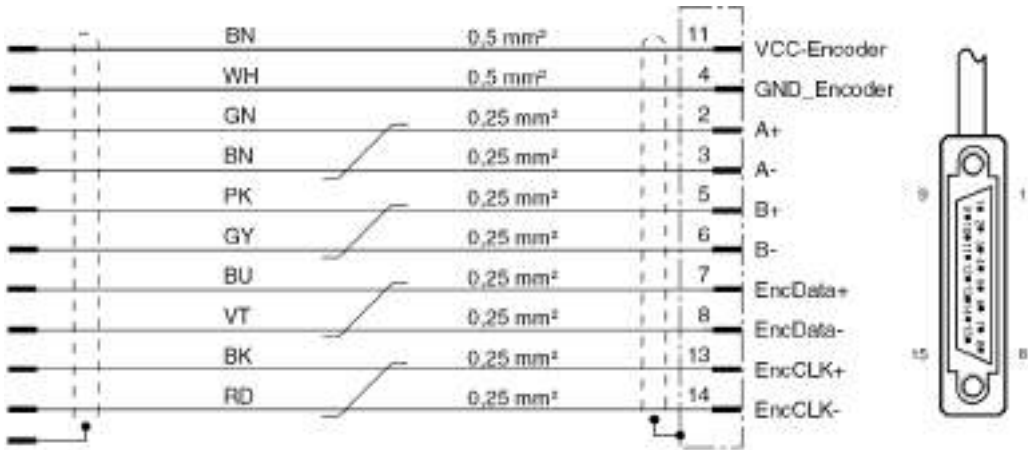


© Bosch Rexroth AG, 2013

Tab. 28-43: Interconnection diagram RKG0028

RKG0029

Encoder Connection	Bulk cable	Connection controller
AEH	INK0448	INS0760/C01



KA000102v02_rn.tht

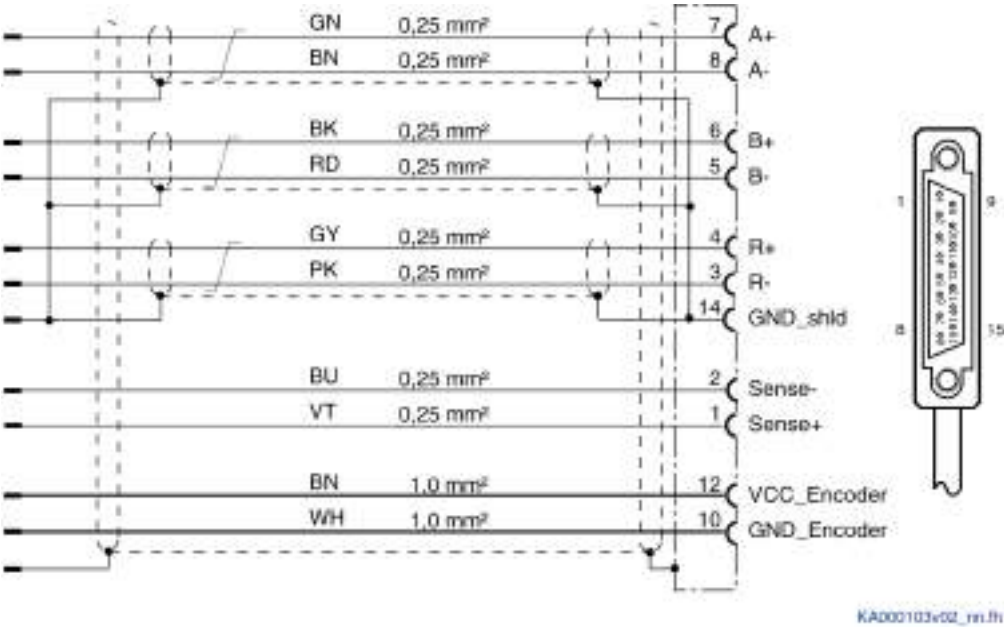
© Bosch Rexroth AG, 2013

Tab. 28-44: Interconnection diagram RKG0029

Connection Cables

RKG0030

Encoder Connection	Bulk cable	Connection controller
AEH	INK0280	INS0761/L01

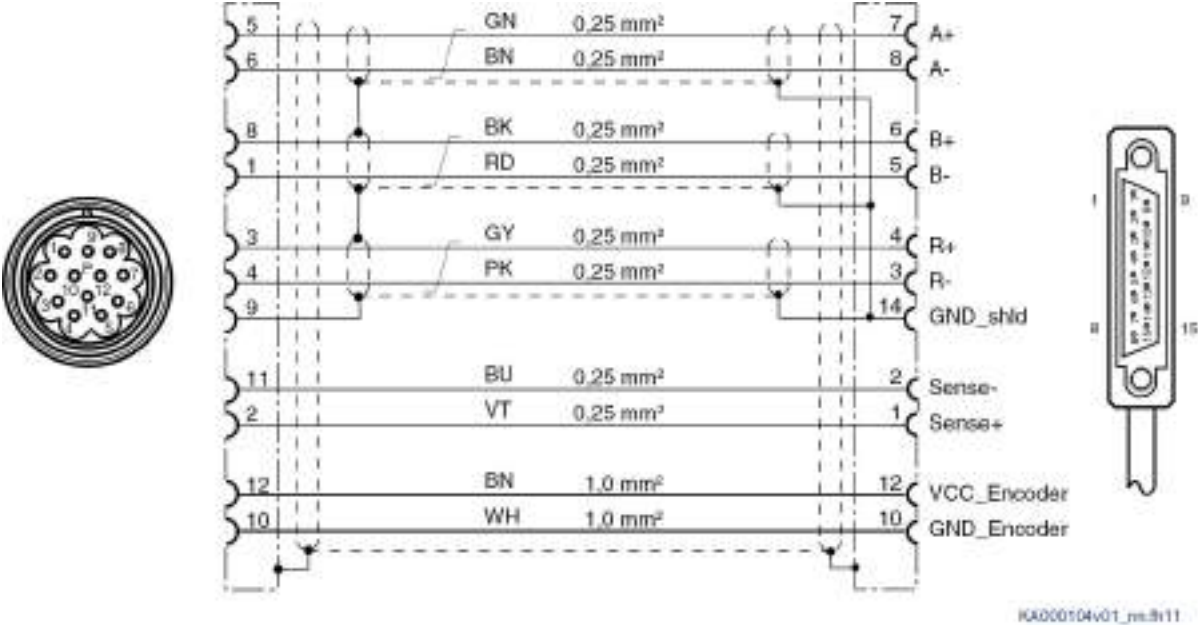


© Bosch Rexroth AG, 2013

Tab. 28-45: Interconnection diagram RKG0030

RKG0031

Encoder Connection	Bulk cable	Connection controller
INS0451/C01	INK0280	INS0761/L01



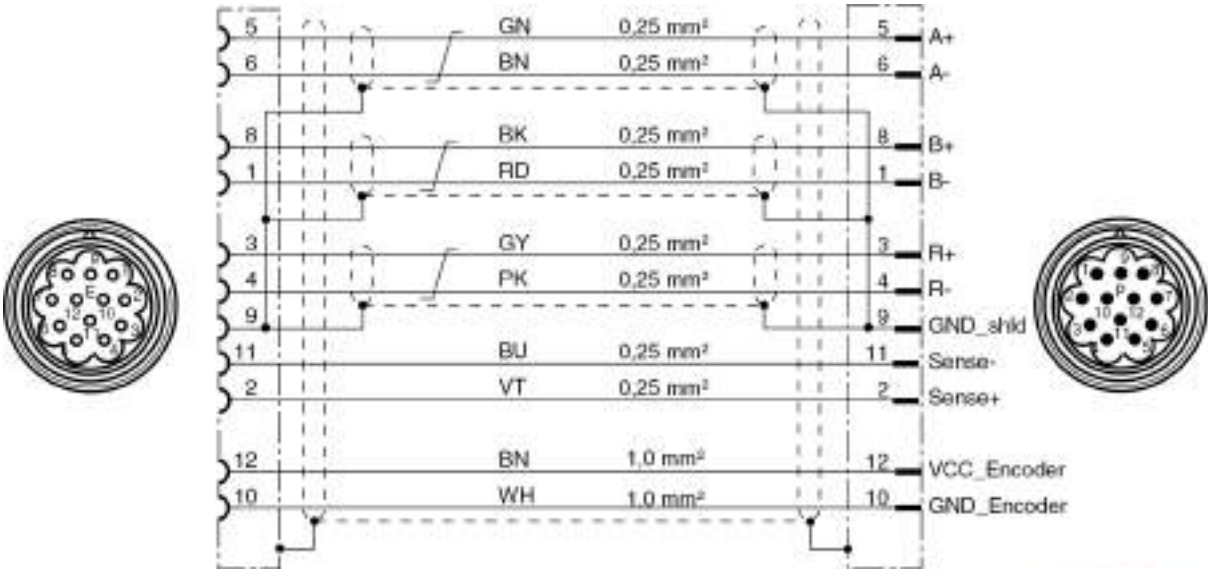
© Bosch Rexroth AG, 2013

Tab. 28-46: Interconnection diagram RKG0031

Connection Cables

RKG0032

Encoder Connection	Bulk cable	Connection controller
INS0639/C01	INK0280	INS0496/C01

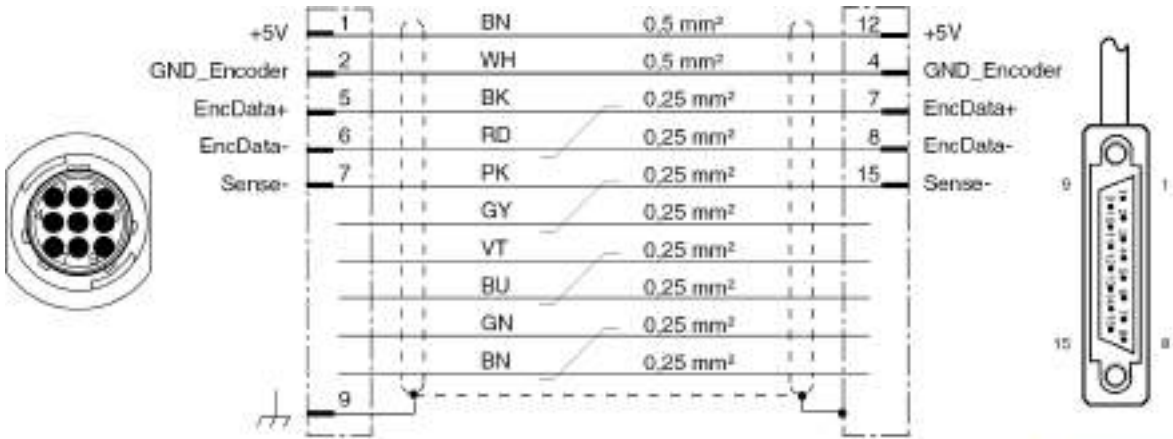


© Bosch Rexroth AG, 2013

Tab. 28-47: Interconnection diagram RKG0032

RKG0033

Encoder Connection	Bulk cable	Connection controller
INS0753/C01	INK0448	INS0760/C01



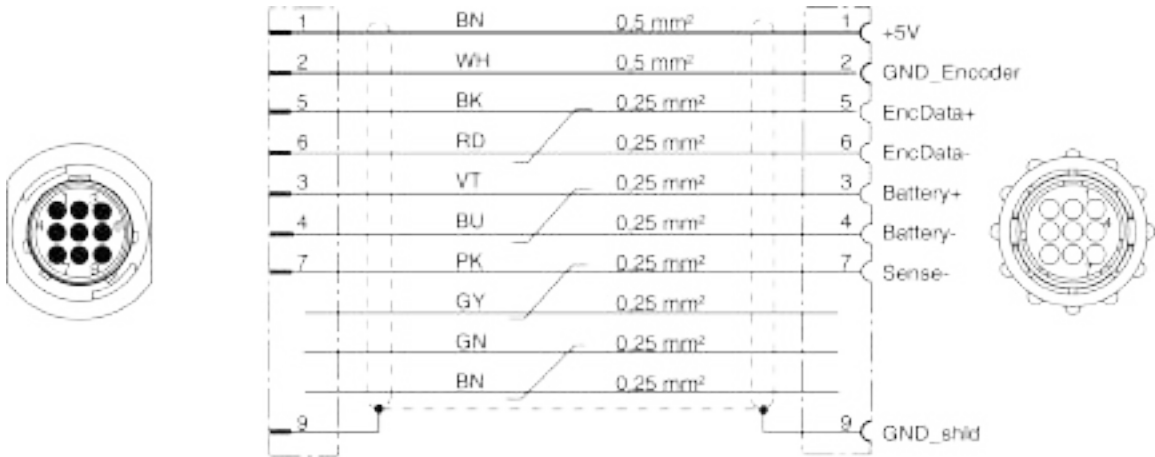
© Bosch Rexroth AG, 2013

Tab. 28-48: Interconnection diagram RKG0033

Connection Cables

RKG0034

Encoder Connection	Bulk cable	Connection controller
INS0753/C01	INK0448	INS0758/C01



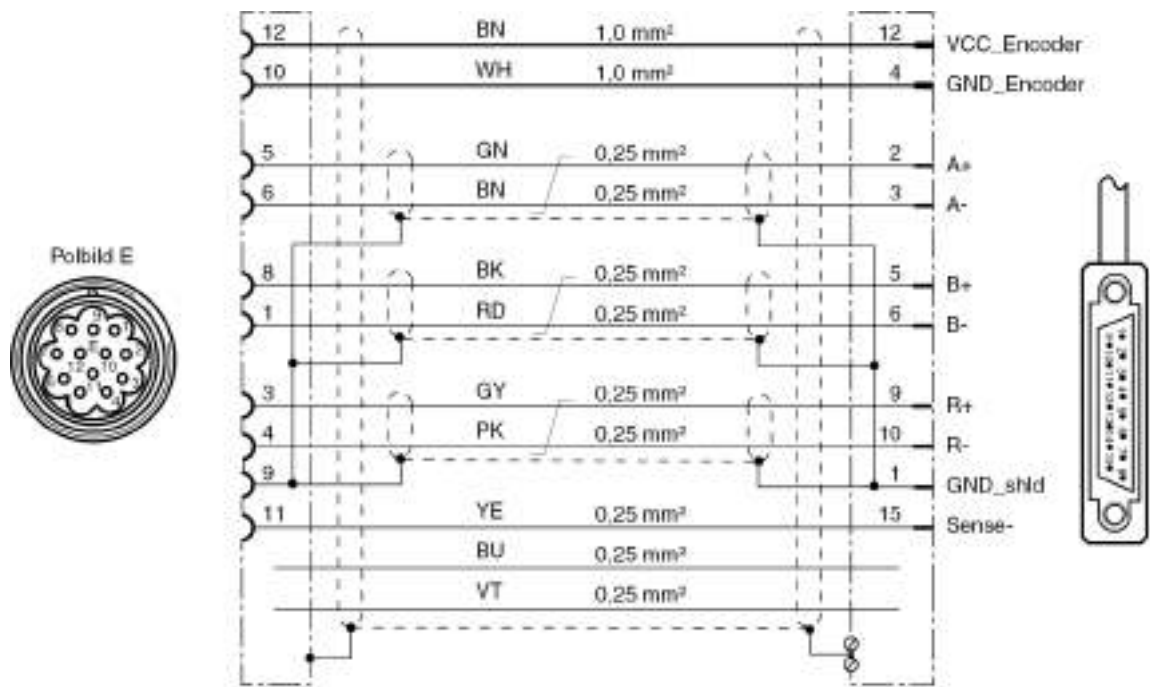
KA000151v01_en.fm 1

© Bosch Rexroth AG, 2013

Tab. 28-49: Interconnection diagram RKG0034

RKG0035

Encoder Connection	Bulk cable	Connection controller
INS0639/C01	INK0280	INS0760/L01



KAC00185v01_fm.b11

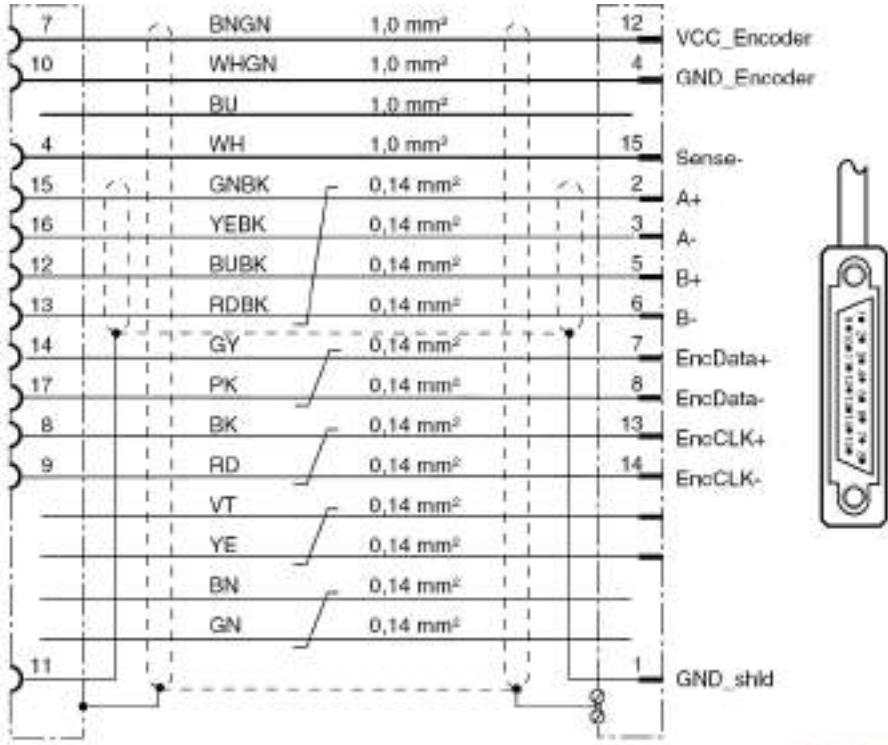
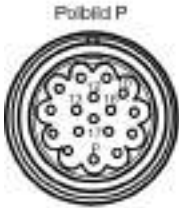
© Bosch Rexroth AG, 2013

Tab. 28-50: Interconnection diagram RKG0035

Connection Cables

RKG0036

Encoder Connection	Bulk cable	Connection controller
INS0379/C01	INK0532	INS0760/L01



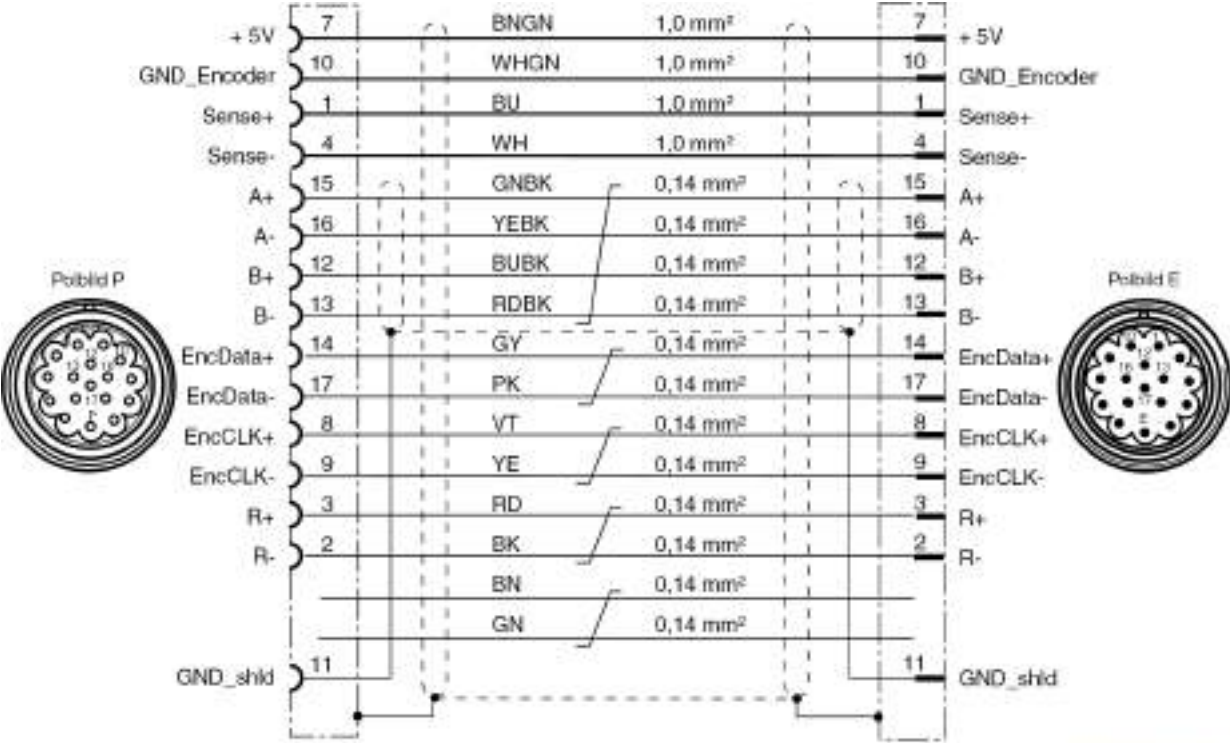
8AC00167v01_en.Br11

© Bosch Rexroth AG, 2013

Tab. 28-51: Interconnection diagram RKG0036

RKG0037

Encoder Connection	Bulk cable	Connection controller
INS0379/C01	INK0532	INS0643/C01



9A000160v01_rss.8/11

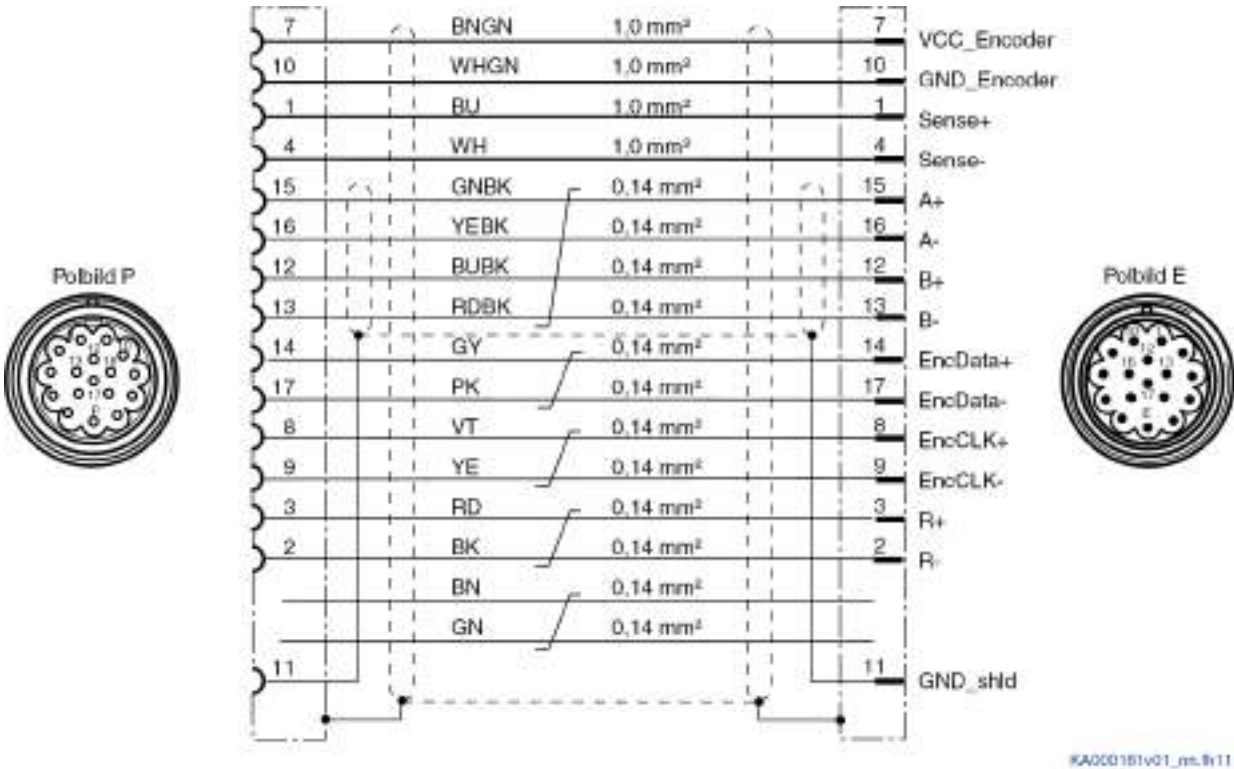
© Bosch Rexroth AG, 2013

Tab. 28-52: Interconnection diagram RKG0037

Connection Cables

RKG0038

Encoder Connection	Bulk cable	Connection controller
INS0379/C01	INK0532	INS0649/C01

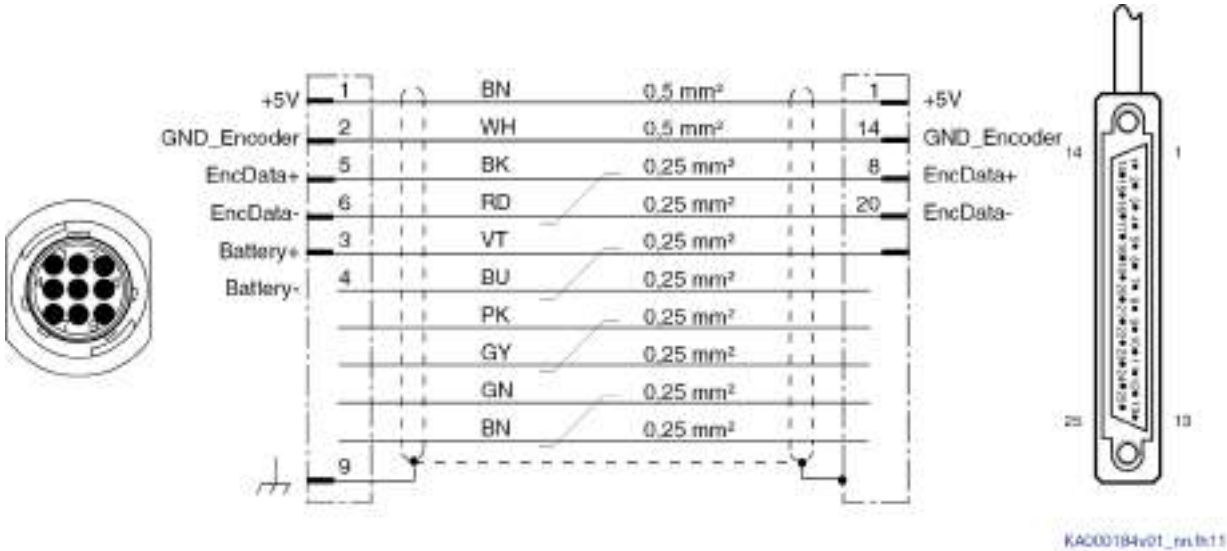


© Bosch Rexroth AG, 2013

Tab. 28-53: Interconnection diagram RKG0038

RKG0040

Encoder Connection	Bulk cable	Connection controller ¹⁾
INS0753/C01	INK0448	INS0769/L01



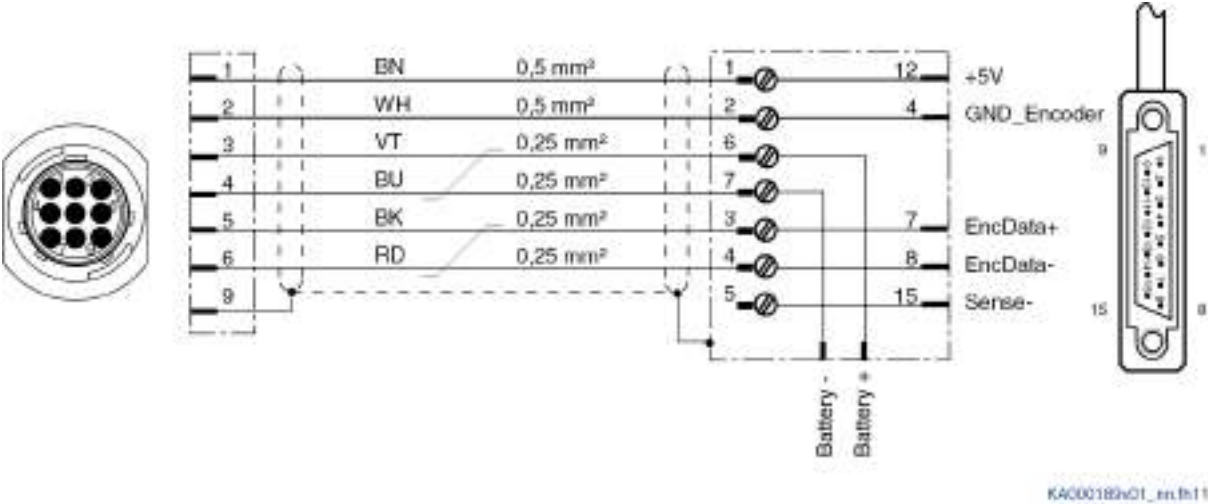
¹⁾NYCe4000
© Bosch Rexroth AG, 2013

Tab. 28-54: Interconnection diagram RKG0040

Connection Cables

RKG0041

Encoder Connection	Bulk cable	Connection controller
INS0753/C01	INK0448	RGS0001/K01

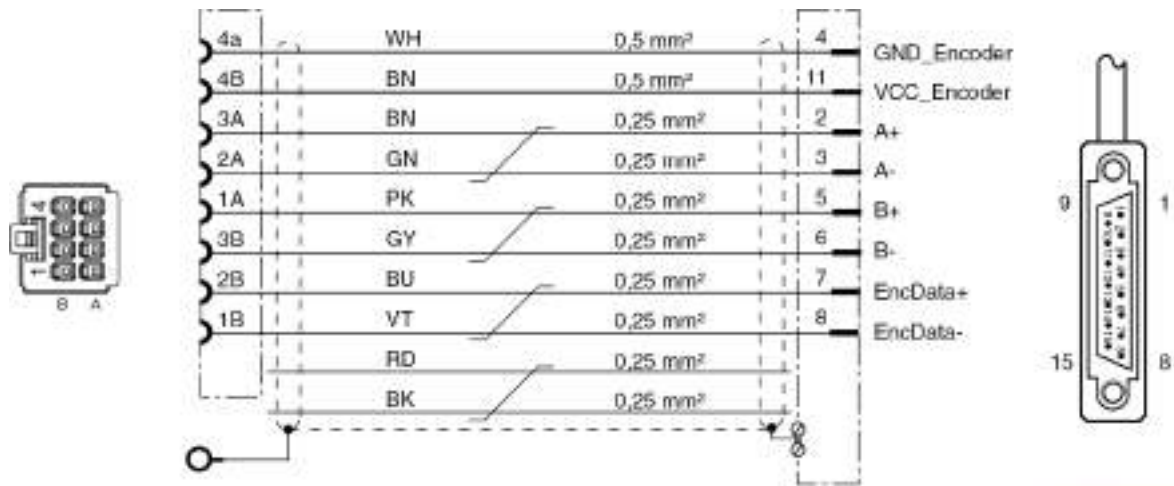


© Bosch Rexroth AG, 2013

Tab. 28-55: Interconnection diagram RKG0041

RKG0047

Encoder Connection	Bulk cable	Connection controller
RGK3102/C01 Terminal box connection, MiniDin 8 pin	INK0448	INS0760/C01



KA000185v01_en.fm.11

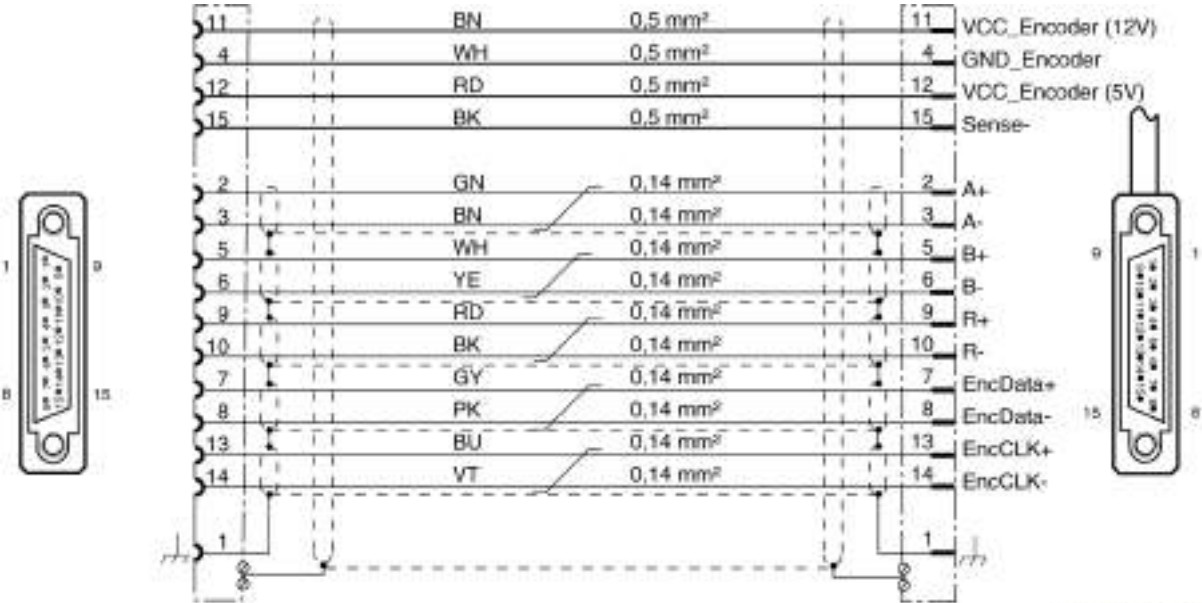
© Bosch Rexroth AG, 2013

Tab. 28-56: Interconnection diagram RKG0047

Connection Cables

RKG0049

Connection SHL03.1	Bulk cable	Connection controller ¹⁾
RGS0003/CM75	REG0011	INS0760/C01



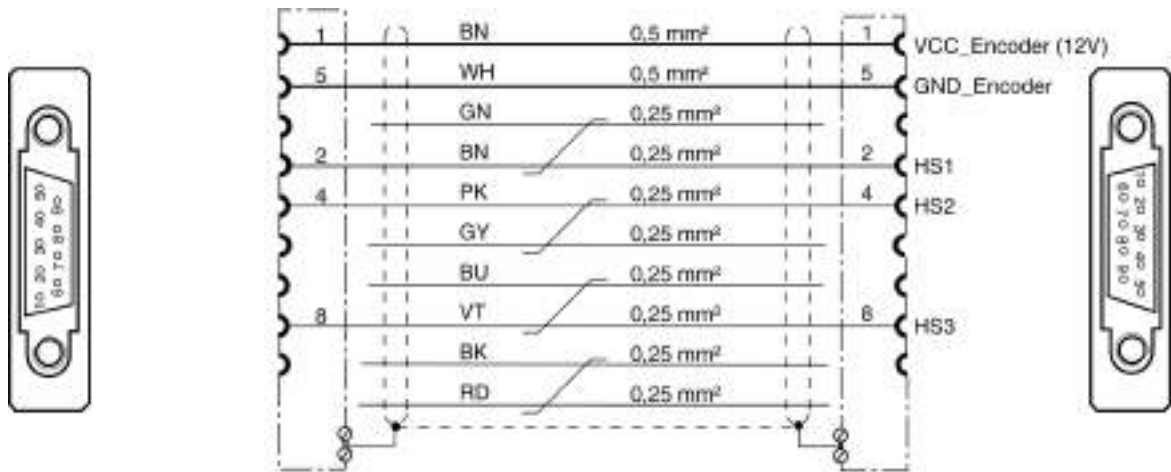
© Bosch Rexroth AG, 2013

¹⁾Interface EC, ES, ENS

Tab. 28-57: Interconnection diagram RKG0049

RKG0050

Connection Hall sensor	Bulk cable	Connection SHL03.1
RGS0002/CM75	INK0448	RGS0002/CM75



KAC00185v01_en.bht 1

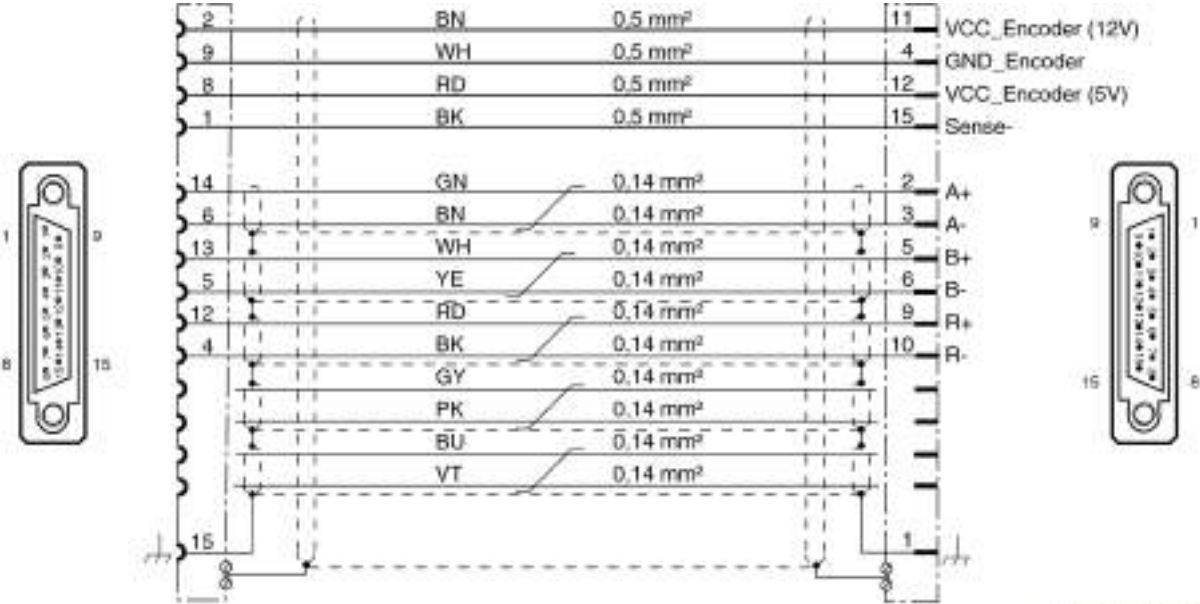
© Bosch Rexroth AG, 2013

Tab. 28-58: Interconnection diagram RKG0050

Connection Cables

RKG0051

Connection measuring system	Bulk cable	Connection SHL03.1
RGS0003/CM75	REG0011	RGS0004/CM50



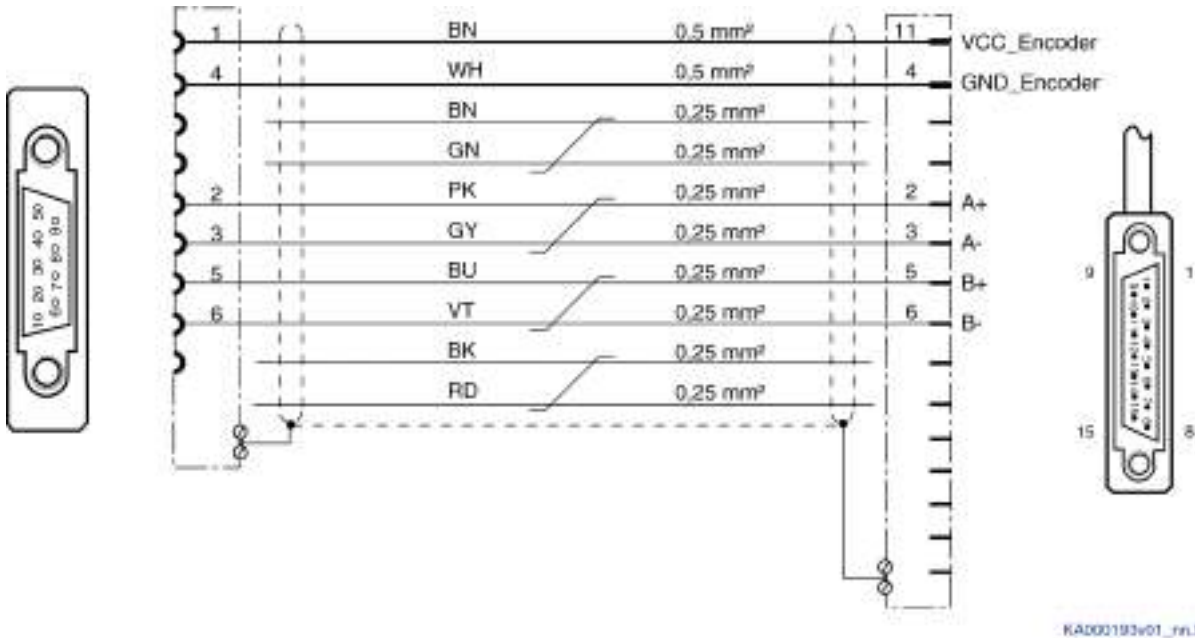
KA000187v01_hilfht1

© Bosch Rexroth AG, 2013

Tab. 28-59: Interconnection diagram RKG0051

RKG0052

Connection Hall sensor	Bulk cable	Connection controller ¹⁾
RGS0002/CM75	INK0448	INS0760/C01



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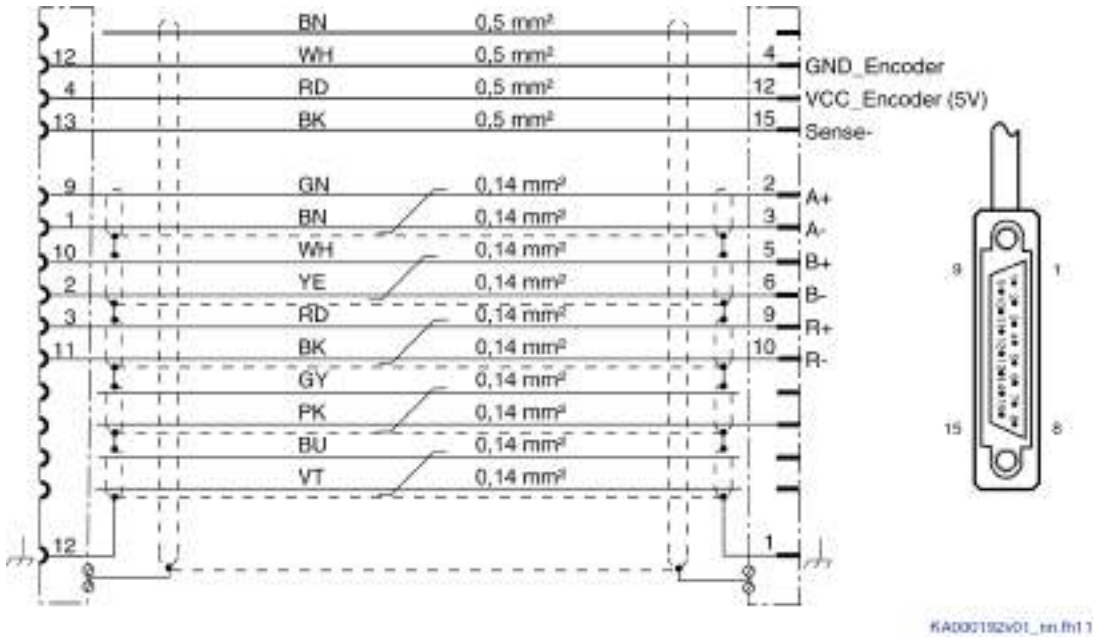
¹⁾Interface EC, ES, ENS

Tab. 28-60: Interconnection diagram RKG0052

Connection Cables

RKG0053

Connection measuring system	Bulk cable	Connection SHL03.1
RGS0003/CM75	REG0011	RGS0004/CM50



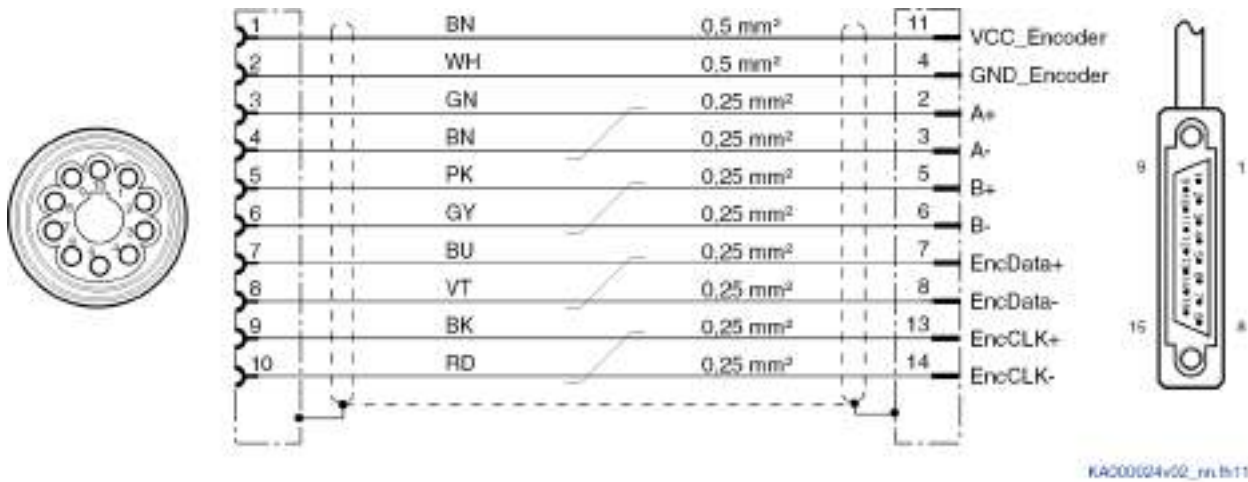
© Bosch Rexroth AG, 2013

Tab. 28-61: Interconnection diagram RKG0053

RKG4xxx

RKG4200

Encoder Connection	Bulk cable	Connection controller
RGS1001/C01	INK0448	INS0760/C01



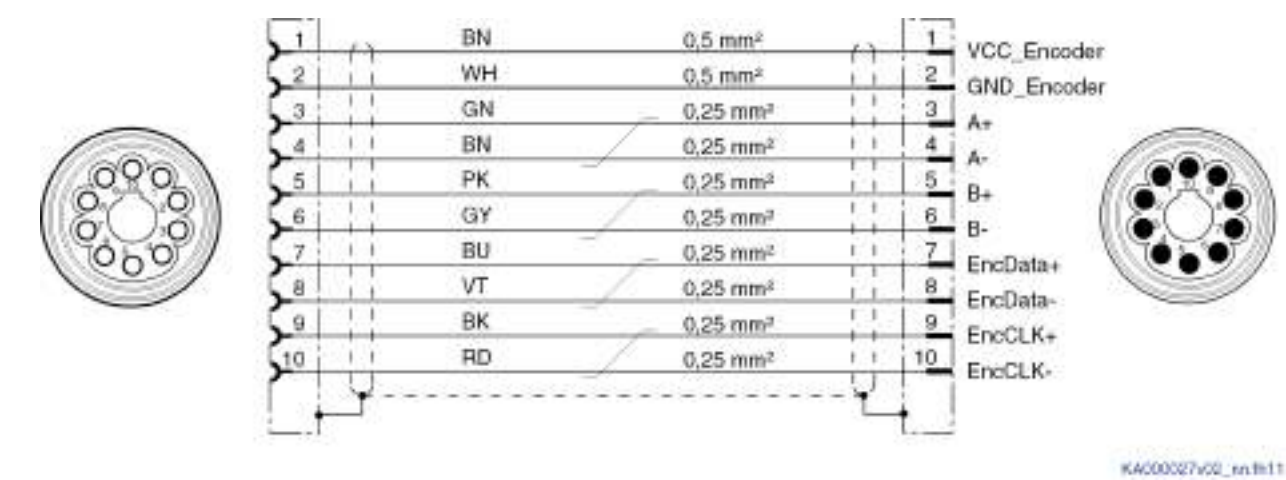
© Bosch Rexroth AG, 2013

Tab. 28-62: Interconnection diagram RKG4200

Connection Cables

RKG4201

Encoder Connection	Bulk cable	Connection controller
RGS1001/C01	INK0448	RGS1002/C01

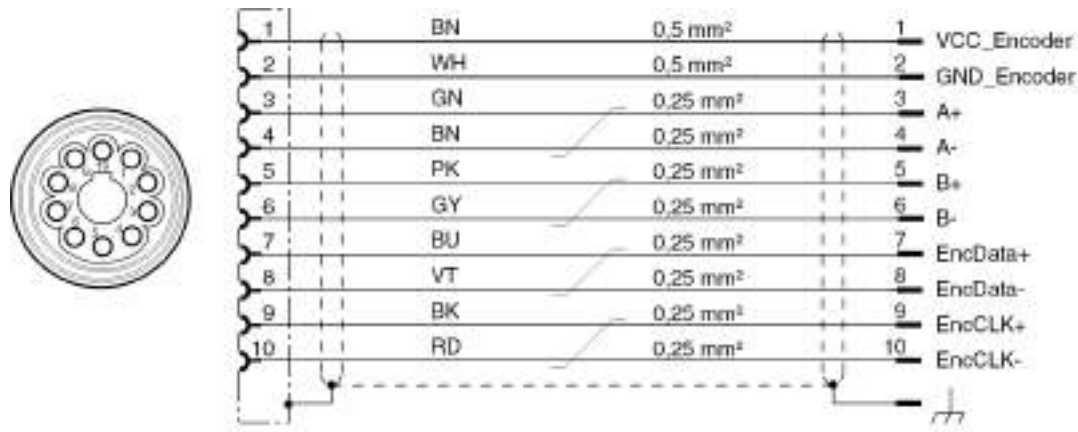


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Tab. 28-63: Interconnection diagram RKG4201

RKG4202

Encoder Connection	Bulk cable	Connection controller
RGS1001/C01	INK0448	WEF



KA000095v02_en.fm11

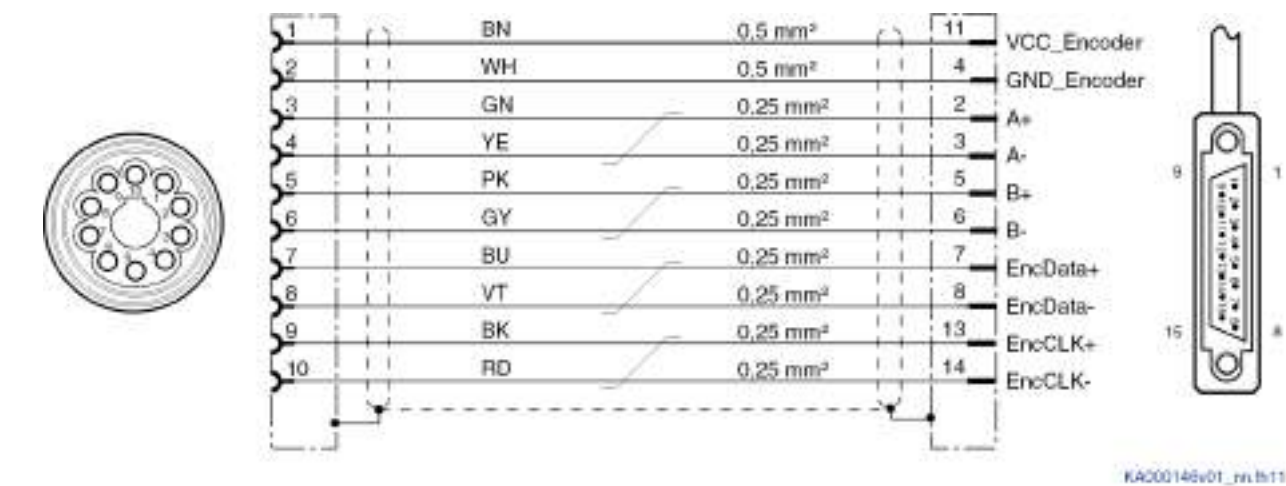
© Bosch Rexroth AG, 2013

Tab. 28-64: Interconnection diagram RKG4202

Connection Cables

RKG4203

Encoder Connection	Bulk cable	Connection controller
RGS1001/C01	REG0748	INS0760/C01

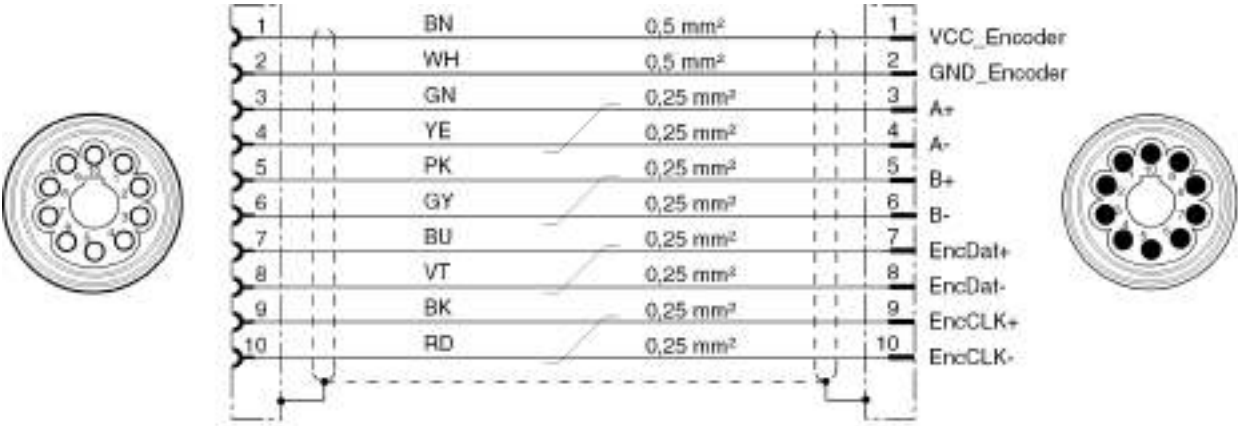


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Tab. 28-65: Interconnection diagram RKG4203

RKG4204

Encoder Connection	Bulk cable	Connection controller
RGS1001/C01	REG0748	RGS1002/C01



KAC00147v01_en111

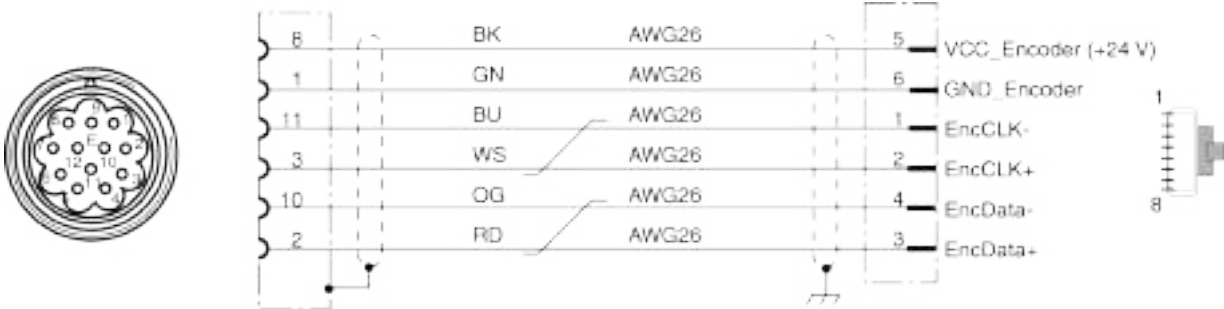
© Bosch Rexroth AG, 2013

Tab. 28-66: Interconnection diagram RKG4204

Connection Cables

RKG4400

Encoder Connection	Bulk cable	Connection controller
M23, 12 pin	n.n.	n.n.



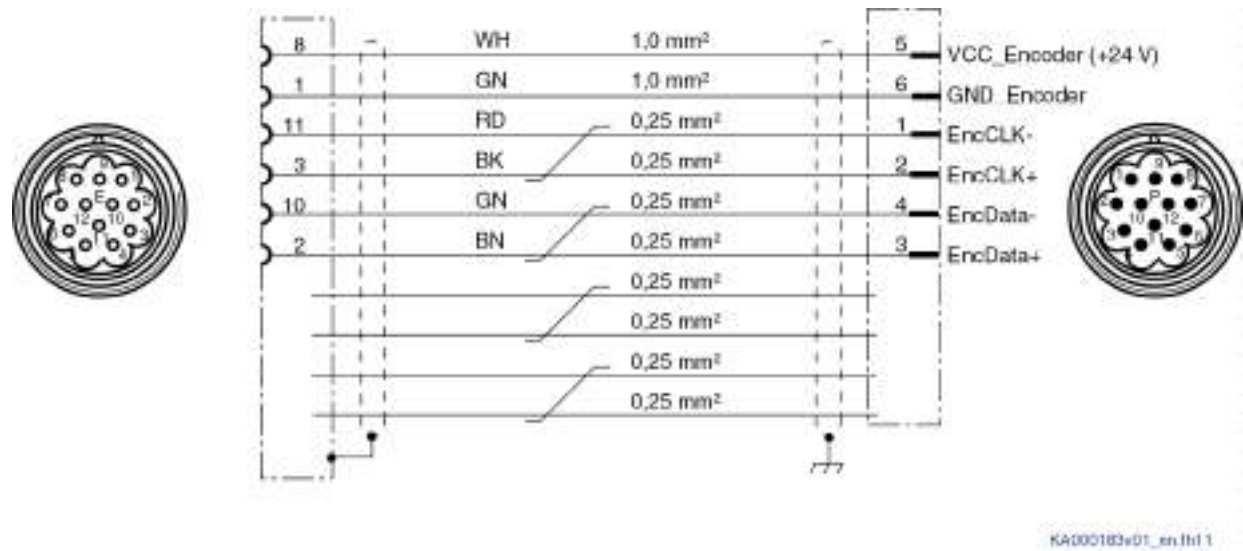
KA200182v01_en.B11

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Tab. 28-67: Interconnection diagram RKG4400

RKG4401

Encoder Connection	Bulk cable	Connection controller
INS0639/C01	INK0209	INS0496/C01



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Tab. 28-68: Interconnection diagram RKG4401

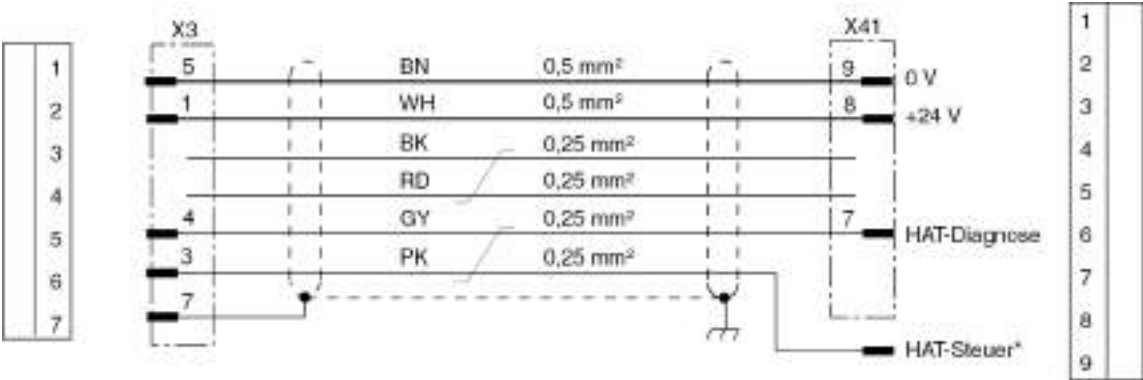
Connection Cables

28.1.4 RKSxxxx

RKS00xx

RKS0007

Connection controller	Bulk cable	Connection controller
Terminal connector	INK0750	Terminal connector



KA002141v01_h01B11

*) for pin assignment refer to our documentation about controllers

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Tab. 28-69: Parts RKS0007

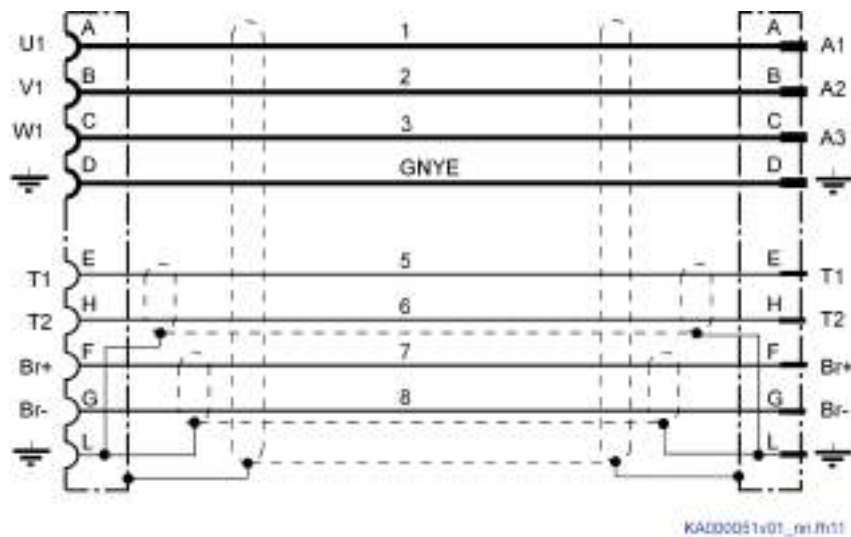
28.2 Power Cables

28.2.1 IKGxxxx

IKG40xx

IKG4051

Connection motor	Bulk cable	Connection controller
INS0481/C02	INK0650	INS0482/C02



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1.5 mm² wires 1, 2, 3, GNYE

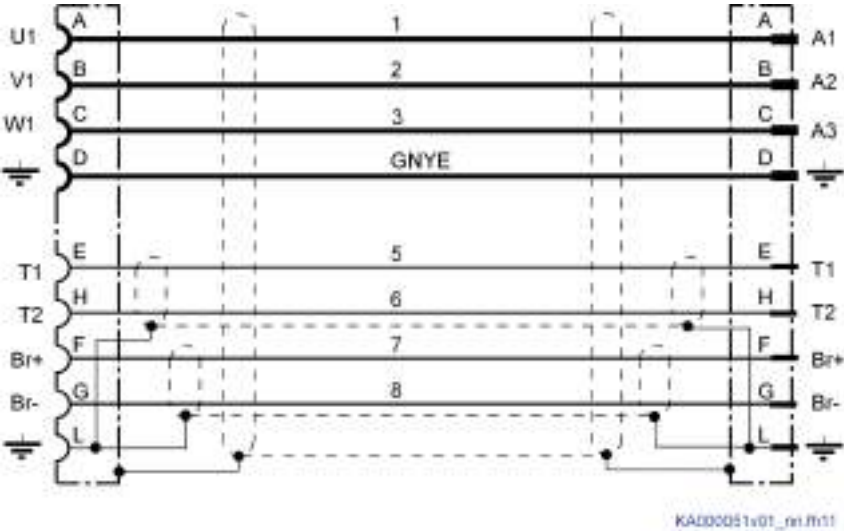
0.75 mm² wires 5, 6, 7, 8

Tab. 28-70: Interconnection diagram IKG4051

Connection Cables

IKG4061

Connection motor	Bulk cable	Connection controller
INS0481/C03	INK0602	INS0482/C03

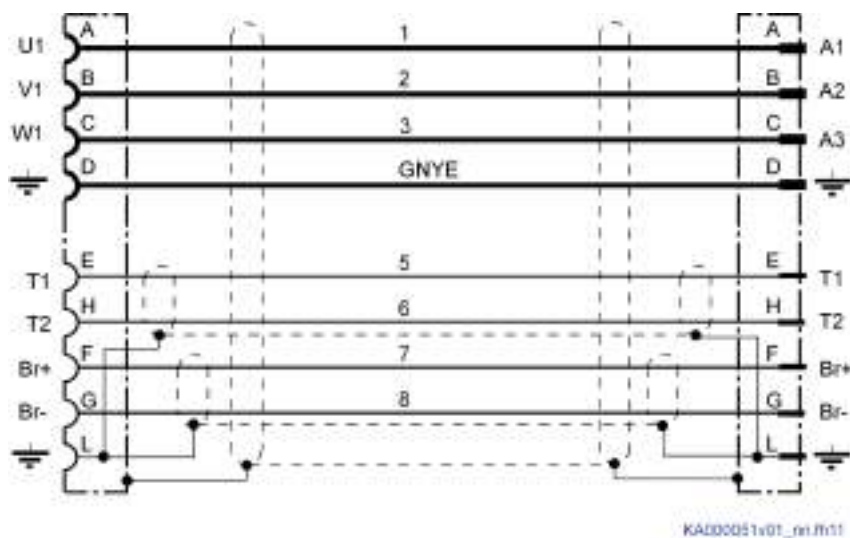


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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-71: Interconnection diagram IKG4061

IKG4081

Connection motor	Bulk cable	Connection controller
INS0481/C04	INK0603	INS0482/C04



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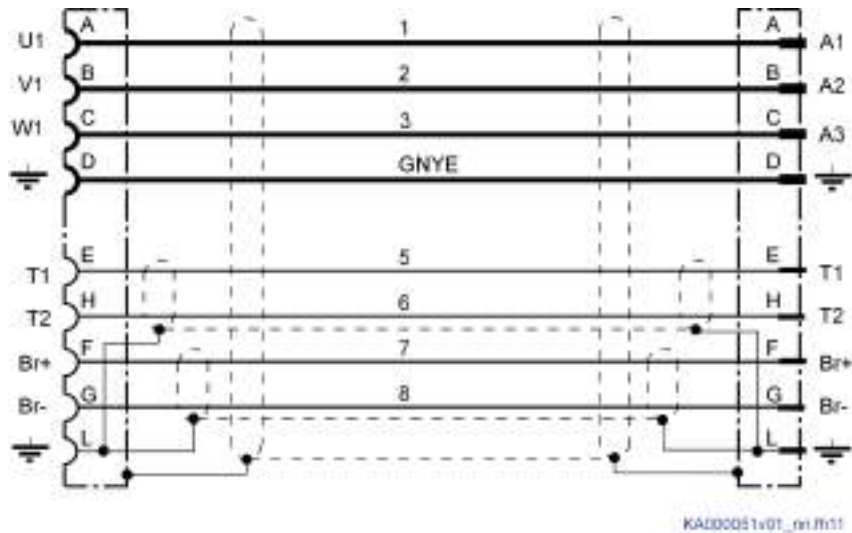
4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-72: Interconnection diagram IKG4081

Connection Cables

IKG41xx

IKG4101

Connection motor	Bulk cable	Connection controller
INS0481/C06	INK0604	INS0482/C06



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6.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8
Tab. 28-73:	Interconnection diagram IKG4101

IKG4115

Connection motor

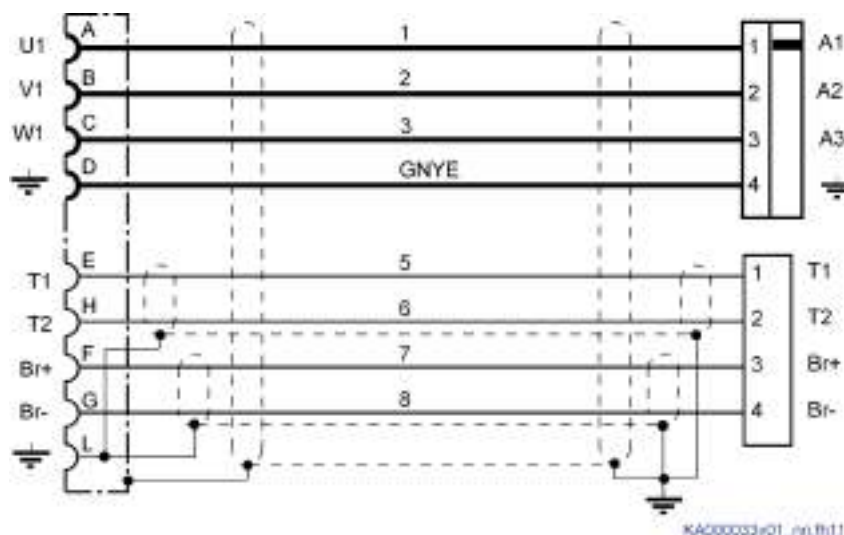
INS0481/C02

Bulk cable

INK0650

Connection controller

RLS0721/K02



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1.5 mm²

wires 1, 2, 3, GNYE

0.75 mm²

wires 5, 6, 7, 8

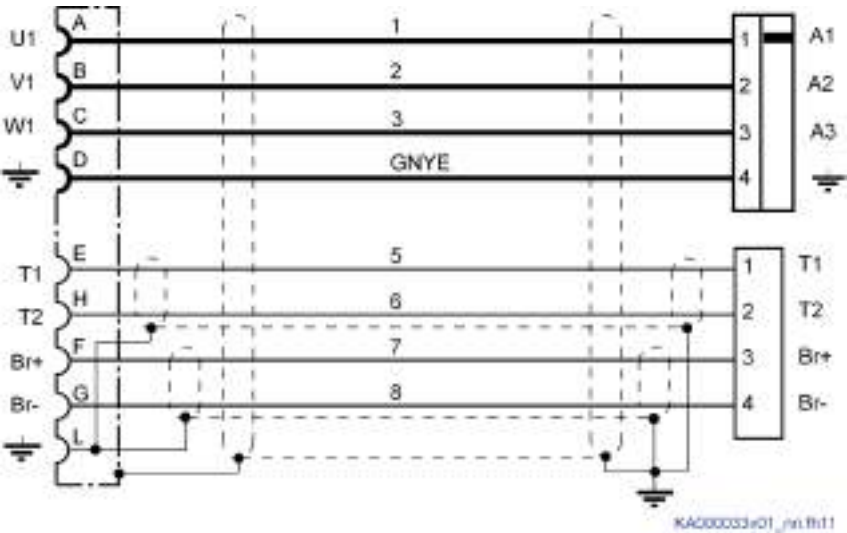
Tab. 28-74:

Interconnection diagram IKG4115

Connection Cables

IKG4116

Connection motor	Bulk cable	Connection controller
INS0481/C03	INK0602	RLS0721/K03

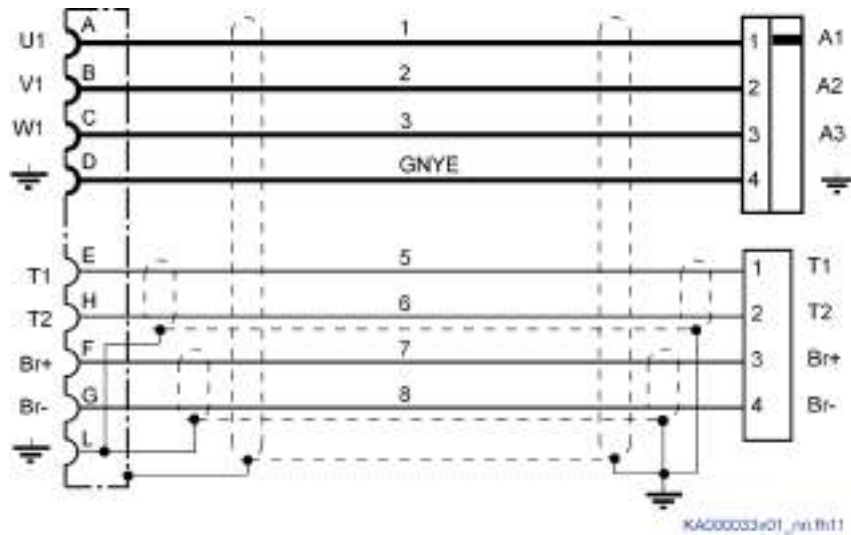


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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-75: Interconnection diagram IKG4116

IKG4117

Connection motor	Bulk cable	Connection controller
INS0481/C04	INK0603	RLS0721/K04



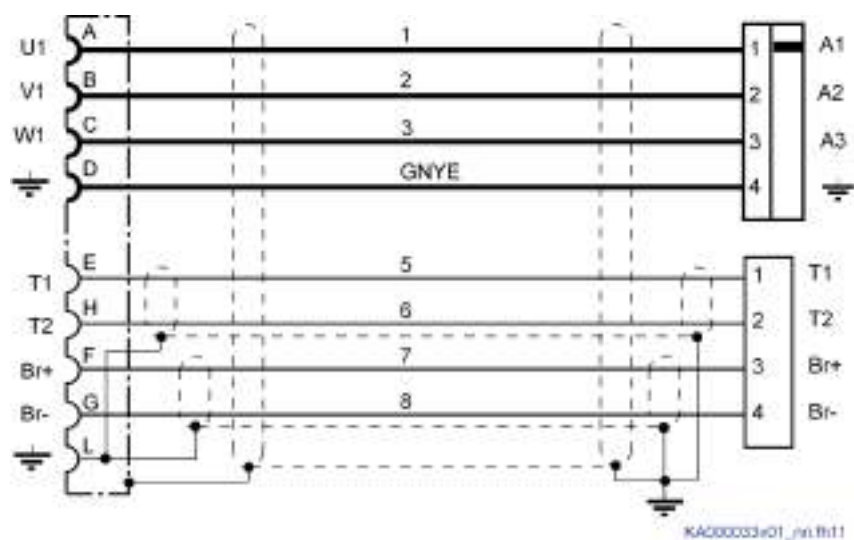
© Bosch Rexroth AG, 2013

4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-76: Interconnection diagram IKG4117

Connection Cables

IKG4118

Connection motor	Bulk cable	Connection controller
INS0481/C06	INK0604	RLS0721/K06



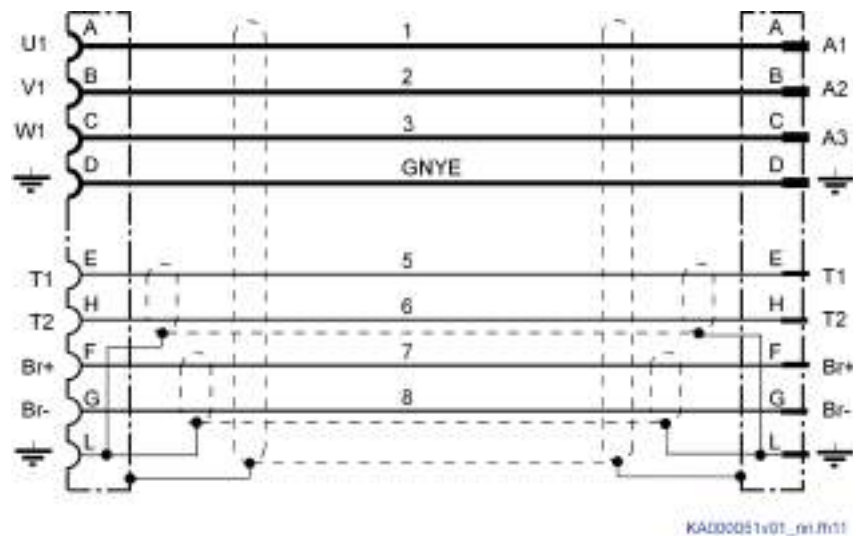
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6.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-77: Interconnection diagram IKG4118

IKG4121

Connection motor	Bulk cable	Connection controller
INS0481/L10	INK0605	INS0482/L10



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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

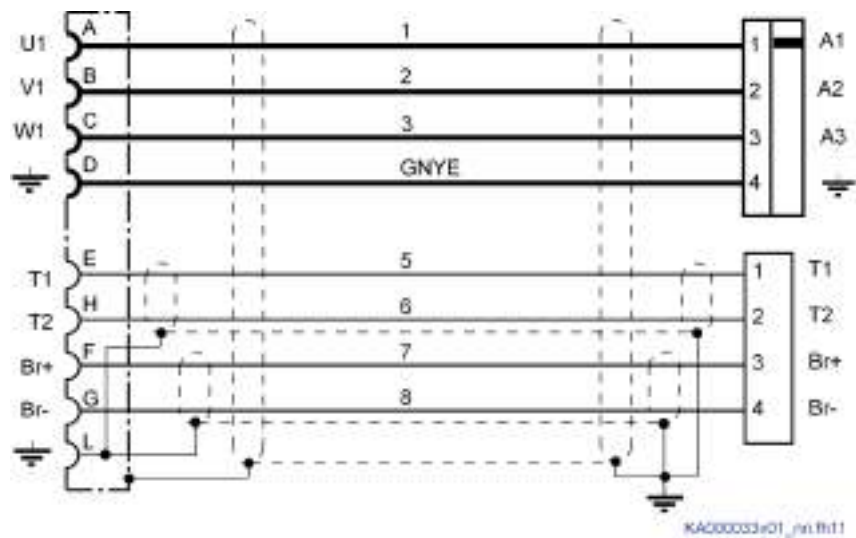
1.5 mm² wires 7, 8

Tab. 28-78: Interconnection diagram IKG4121

Connection Cables

IKG4136

Connection motor	Bulk cable	Connection controller
INS0381/C06	INK0604	RLS0721/K06



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6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-79: Interconnection diagram IKG4136

IKG4139

Connection motor

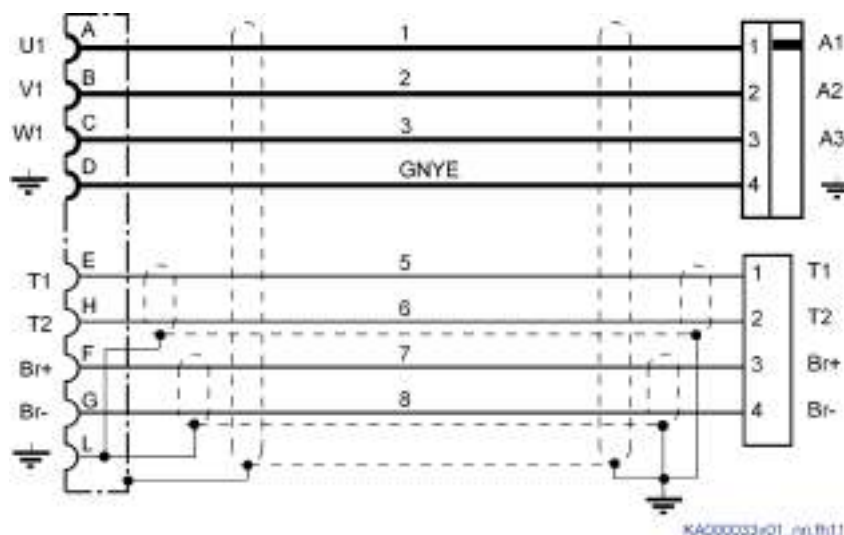
INS0481/C03

Bulk cable

INK0602

Connection controller

RLS0722/K03



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2.5 mm²

wires 1, 2, 3, GNYE

1.0 mm²

wires 5, 6, 7, 8

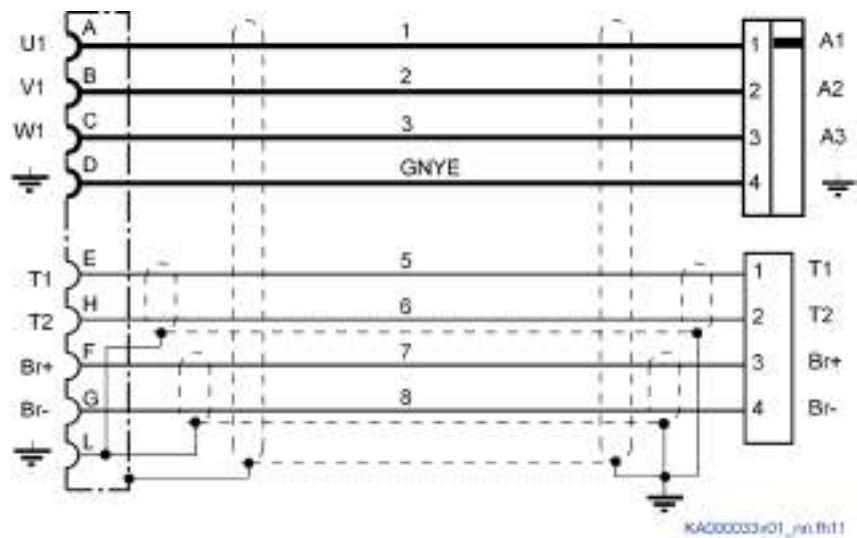
Tab. 28-80:

Interconnection diagram IKG4139

Connection Cables

IKG4140

Connection motor	Bulk cable	Connection controller
INS0481/C02	INK0650	RLS0722/K02

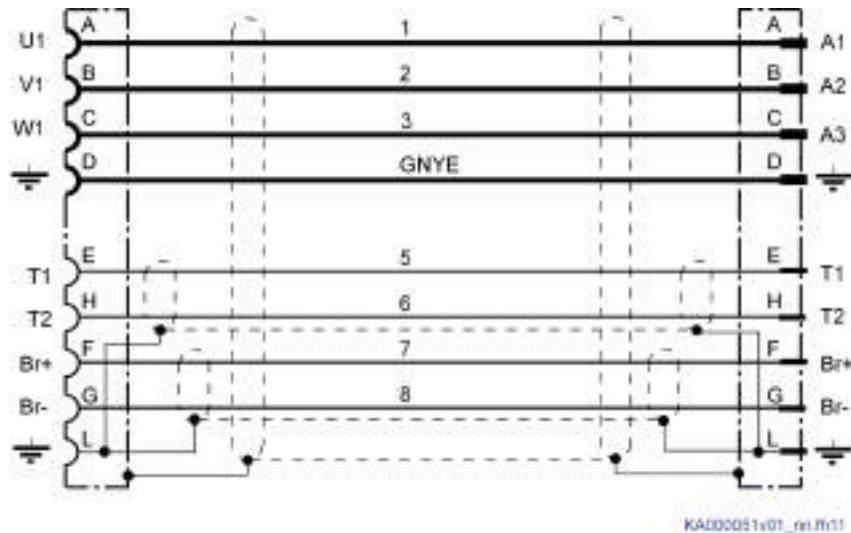


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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Tab. 28-81: *Interconnection diagram IKG4140*

IKG4141

Connection motor	Bulk cable	Connection controller
INS0381/C06	INK0604	INS0382/C06



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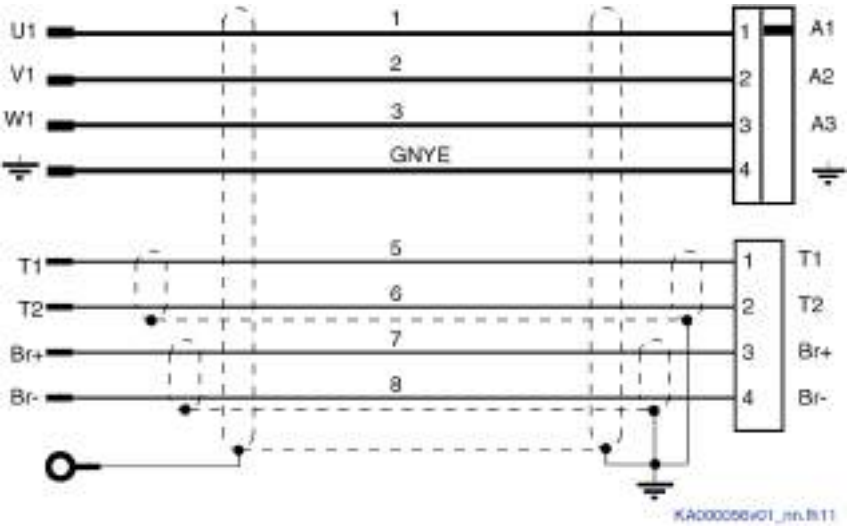
6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-82: Interconnection diagram IKG4141

Connection Cables

IKG4145

Connection motor	Bulk cable	Connection controller
WEF/RTE	INK0653	RLS0722/K01



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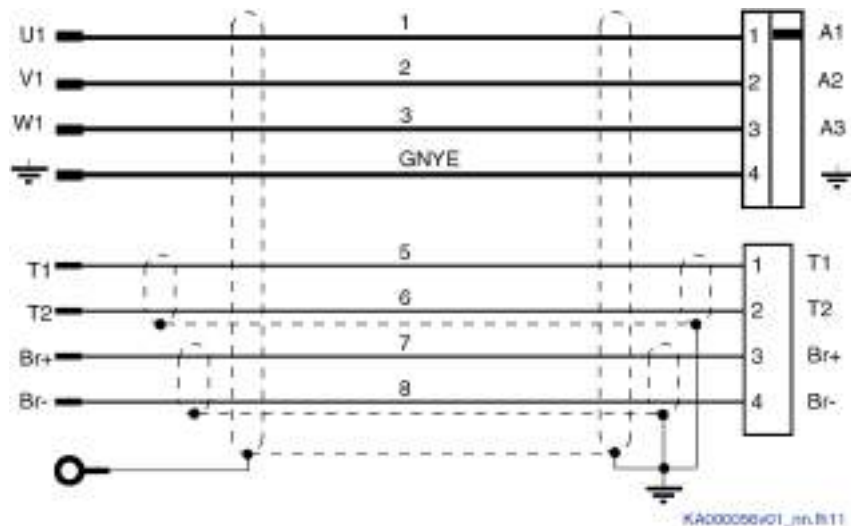
1.0 mm² wires 1, 2, 3, GNYE
 0.75 mm² wires 5, 6, 7, 8
 Tab. 28-83: Interconnection diagram IKG4145

IKG4146

Connection motor
WEF/RTE

Bulk cable
INK0602

Connection controller
RLS0722/K03



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2.5 mm²

wires 1, 2, 3, GNYE

1.0 mm²

wires 5, 6, 7, 8

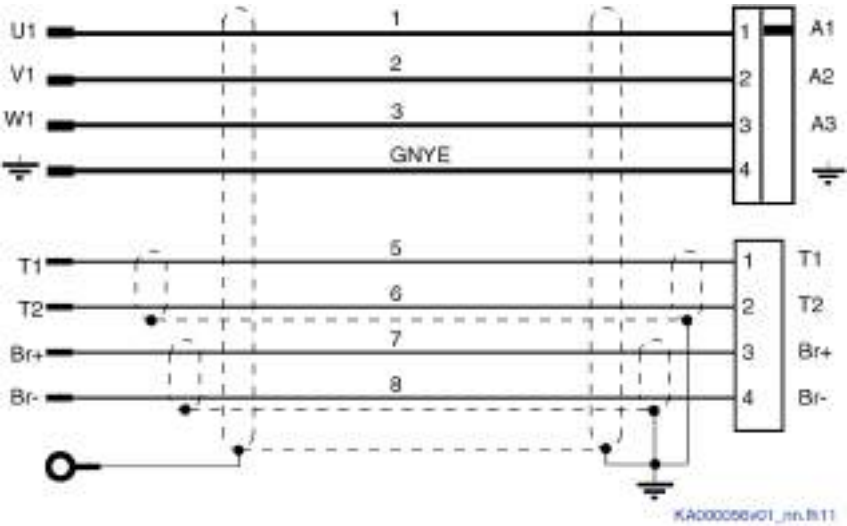
Tab. 28-84:

Interconnection diagram IKG4146

Connection Cables

IKG4148

Connection motor	Bulk cable	Connection controller
WEF/RTE	INK0602	RLS0721/K03

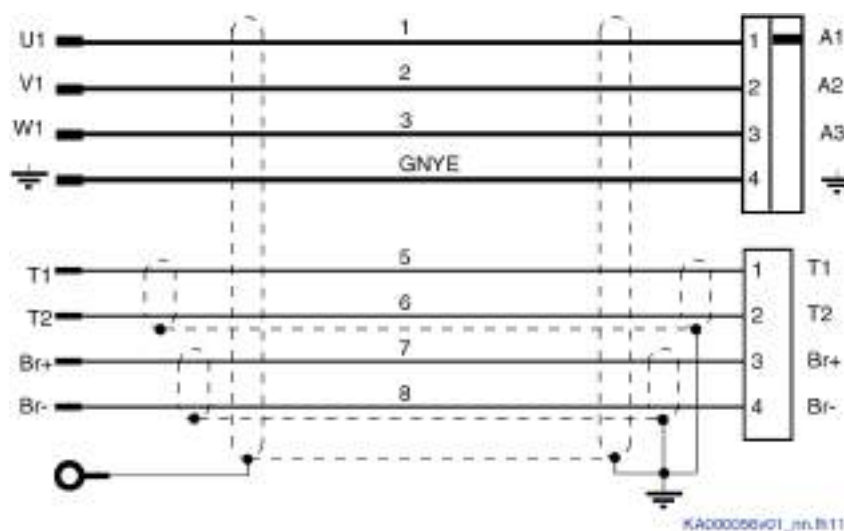


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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-85: Interconnection diagram IKG4148

IKG4149

Connection motor	Bulk cable	Connection controller
WEF/RTE	INK0604	RLS0721/K06



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6.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

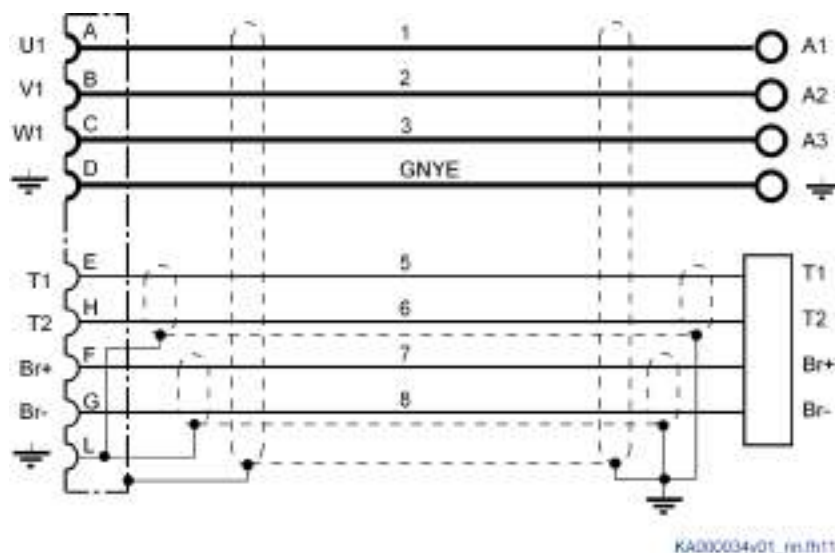
1.5 mm² wires 7, 8

Tab. 28-86: Interconnection diagram IKG4149

Connection Cables

IKG4155

Connection motor	Bulk cable	Connection controller
INS0381/C06	INK0604	RLS0723/K06



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6.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-87: Interconnection diagram IKG4155

IKG4161

Connection motor

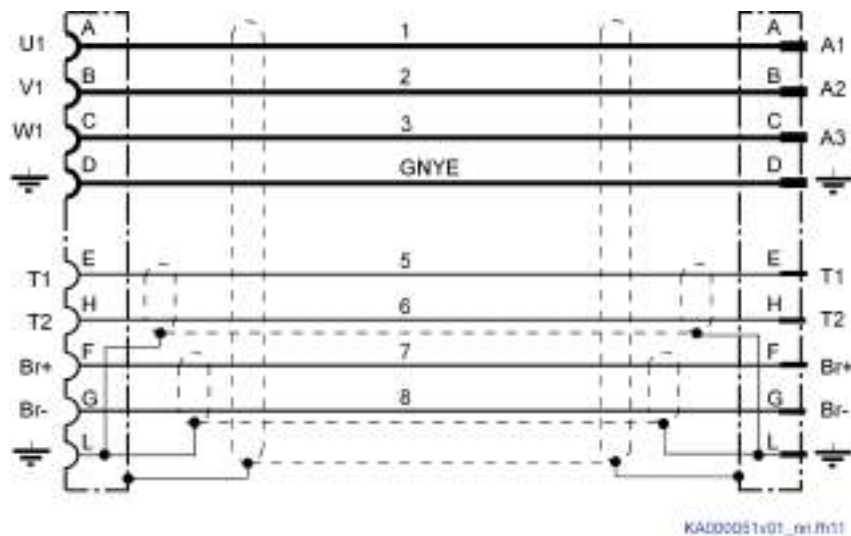
INS0381/C10

Bulk cable

INK0605

Connection controller

INS0382/C10



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10.0 mm²

wires 1, 2, 3, GNYE

1.0 mm²

wires 5, 6

1.5 mm²

wires 7, 8

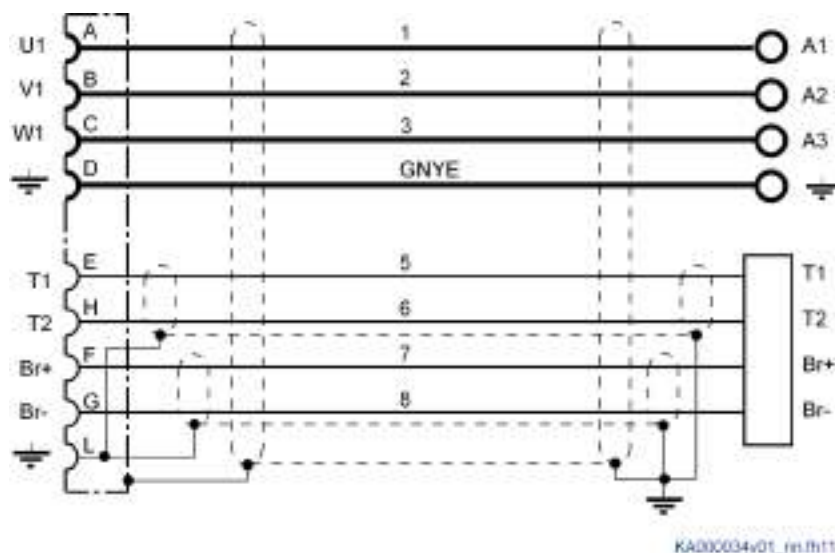
Tab. 28-88:

Interconnection diagram IKG4161

Connection Cables

IKG4168

Connection motor	Bulk cable	Connection controller
INS0381/C10	INK0605	RLS0723/K10



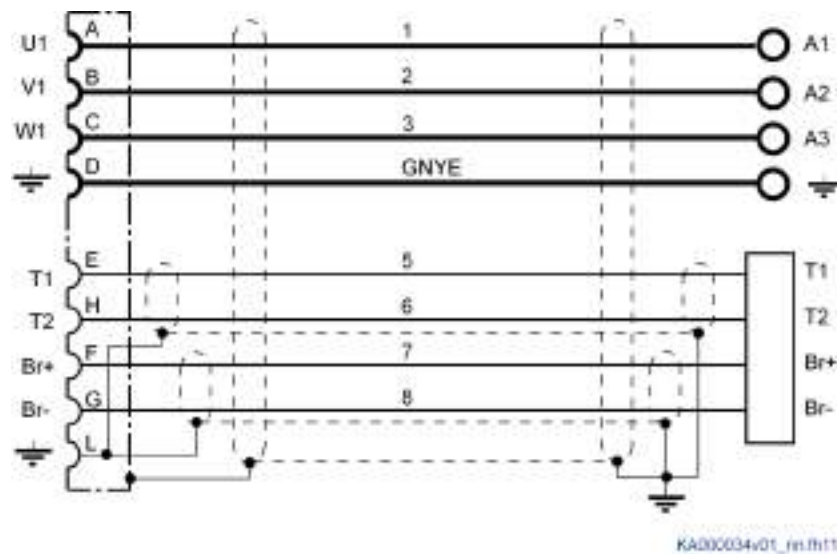
© Bosch Rexroth AG, 2013

10.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8

Tab. 28-89: Interconnection diagram IKG4168

IKG4169

Connection motor	Bulk cable	Connection controller
INS0481/L10	INK0605	RLS0723/K10



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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

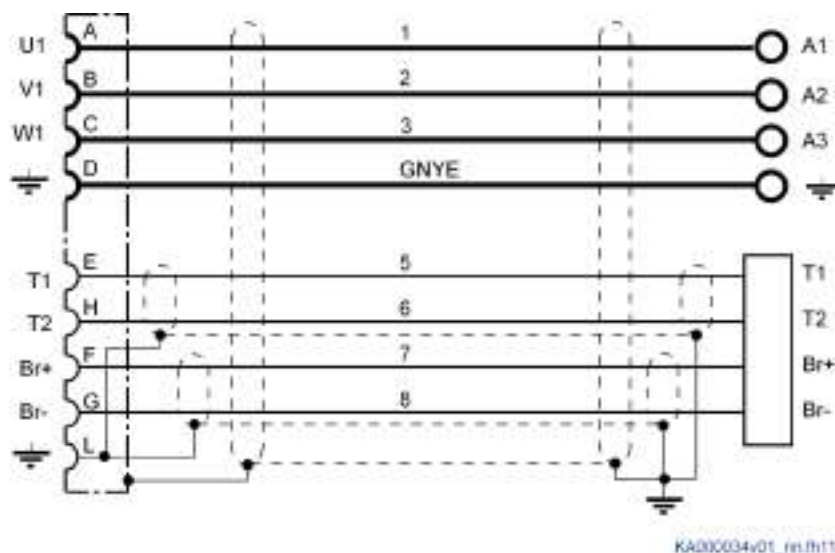
1.5 mm² wires 7, 8

Tab. 28-90: Interconnection diagram IKG4169

Connection Cables

IKG4172

Connection motor	Bulk cable	Connection controller
INS0381/C16	INK0606	RLS0723/K16



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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-91: Interconnection diagram IKG4172

IKG4173

Connection motor

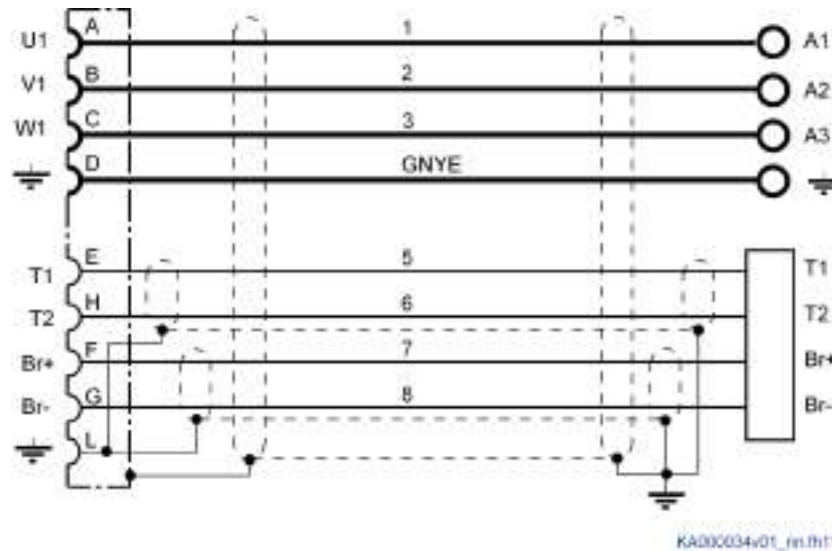
INS0381/C25

Bulk cable

INK0607

Connection controller

RLS0723/K25



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25.0 mm²

wires 1, 2, 3, GNYE

1.5 mm²

wires 5, 6, 7, 8

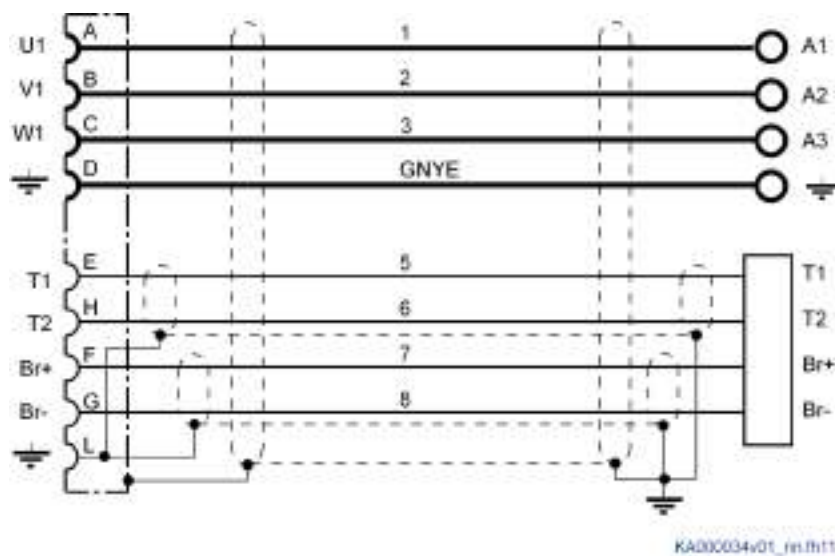
Tab. 28-92:

Interconnection diagram IKG4173

Connection Cables

IKG4174

Connection motor	Bulk cable	Connection controller
INS0381/C35	INK0667	RLS0723/K35



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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-93: Interconnection diagram IKG4174

IKG4175

Connection motor

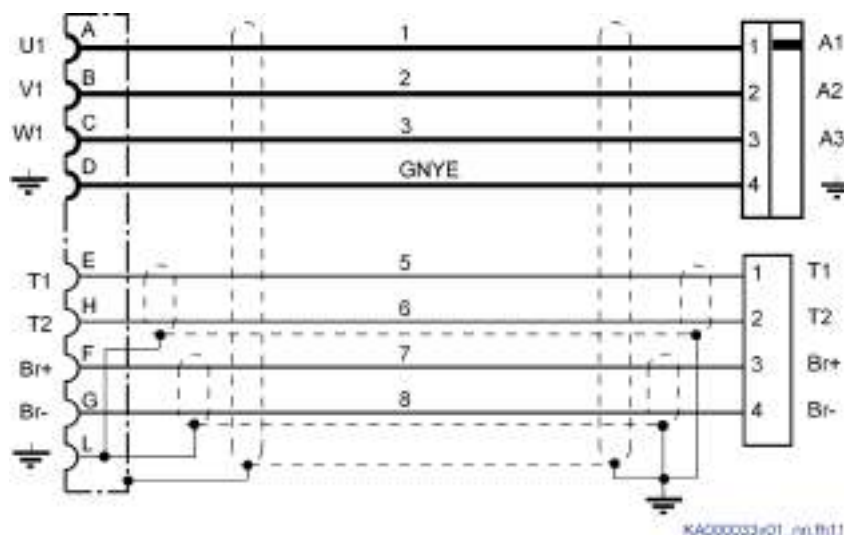
INS0481/L10

Bulk cable

INK0605

Connection controller

RLS0721/K10



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10.0 mm²

wires 1, 2, 3, GNYE

1.0 mm²

wires 5, 6

1.5 mm²

wires 7, 8

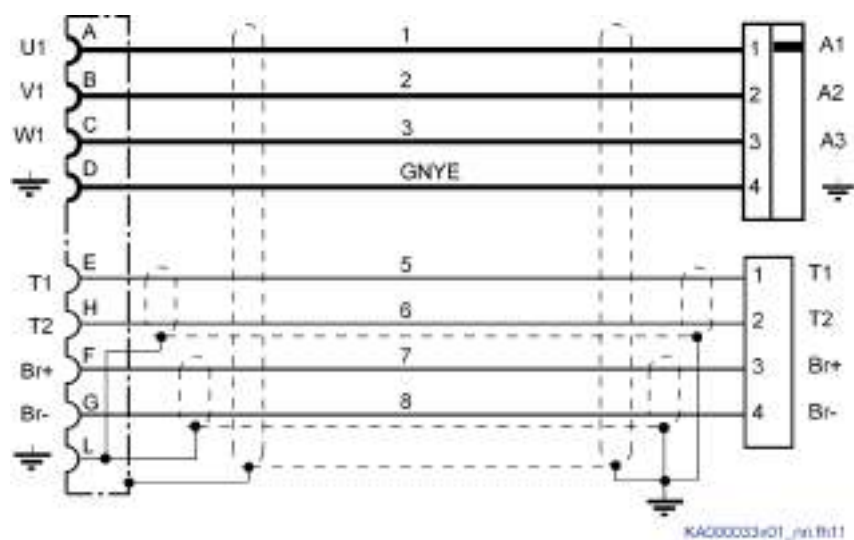
Tab. 28-94:

Interconnection diagram IKG4175

Connection Cables

IKG4176

Connection motor	Bulk cable	Connection controller
INS0381/C10	INK0605	RLS0721/K10



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10.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-95: Interconnection diagram IKG4176

IKG4177

Connection motor

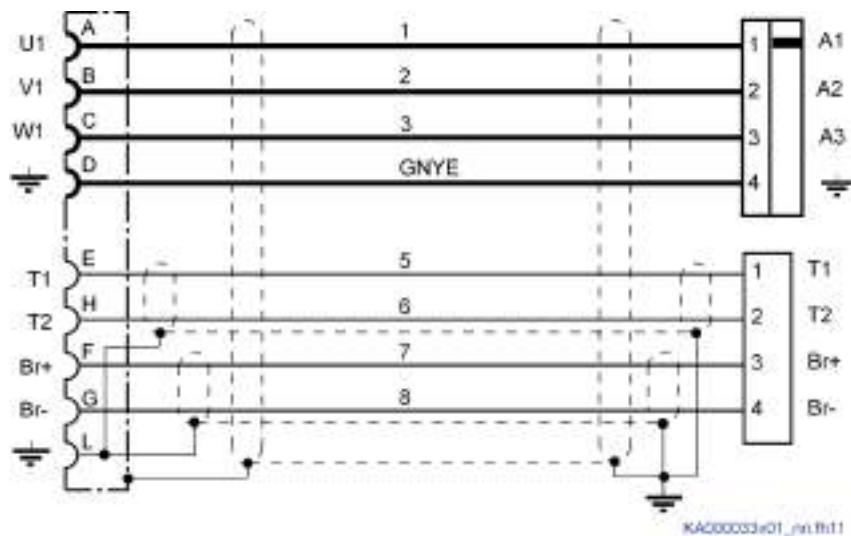
INS0481/C04

Bulk cable

INK0603

Connection controller

RLS0722/K04



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4.0 mm²

wires 1, 2, 3, GNYE

1.0 mm²

wires 5, 6

1.5 mm²

wires 7, 8

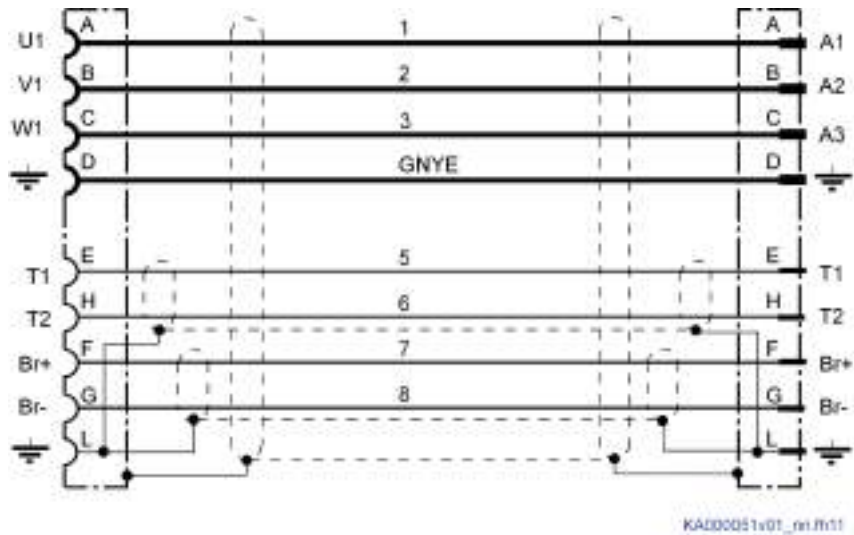
Tab. 28-96:

Interconnection diagram IKG4177

Connection Cables

IKG4181

Connection motor	Bulk cable	Connection controller
INS0381/C16	INK0606	INS0382/C16



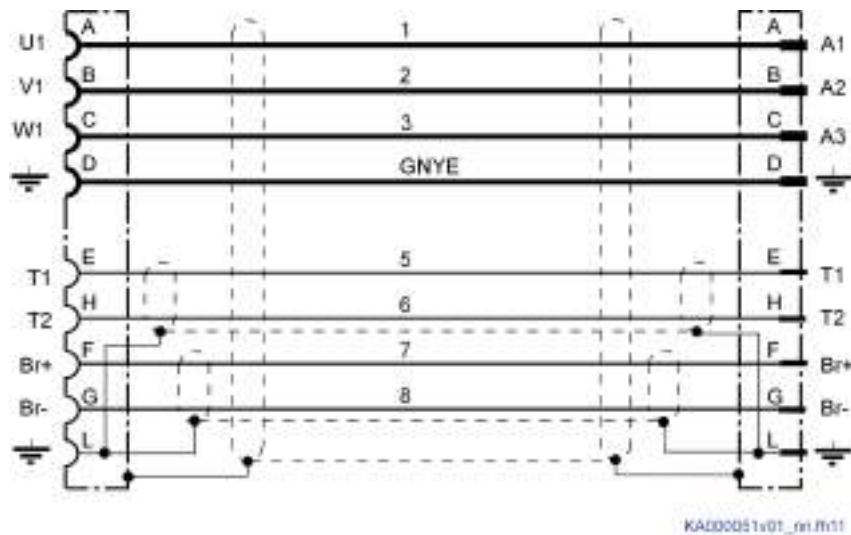
© Bosch Rexroth AG, 2013

16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-97: Interconnection diagram IKG4181

IKG42xx

IKG4201

Connection motor	Bulk cable	Connection controller
INS0381/C25	INK0607	INS0382/C25



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25.0 mm² wires 1, 2, 3, GNYE

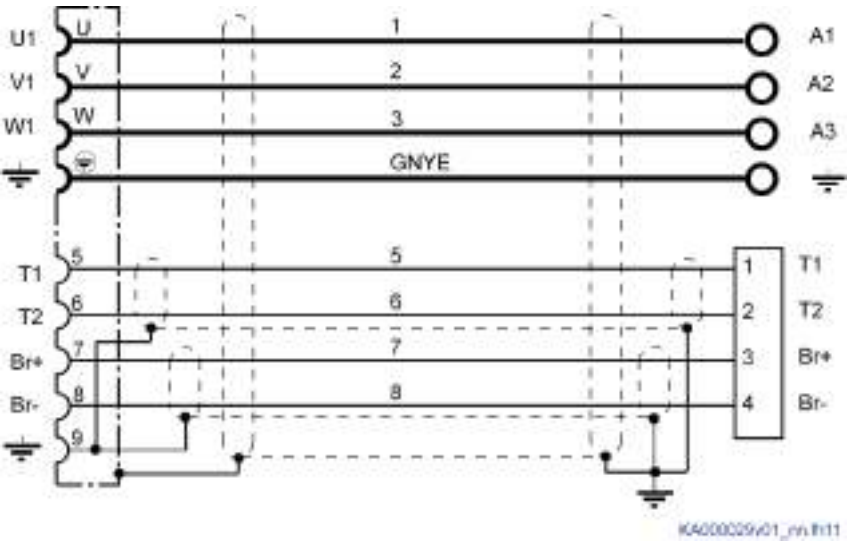
1.5 mm² wires 5, 6, 7, 8

Tab. 28-98: Interconnection diagram IKG4201

Connection Cables

IKG4215

Connection motor	Bulk cable	Connection controller
INS0481/C06	INK0604	RLS0723/K06

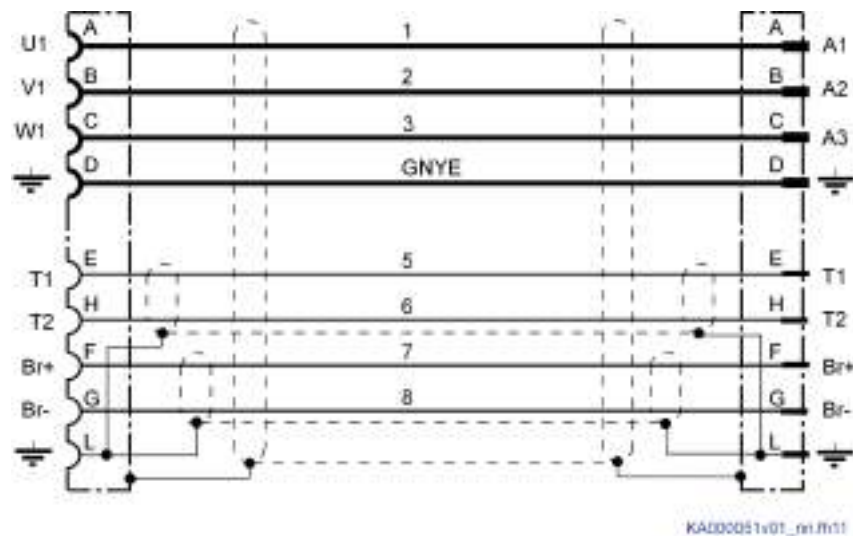


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6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-99: Interconnection diagram IKG4215

IKG4221

Connection motor	Bulk cable	Connection controller
INS0381/C35	INK0667	INS0382/C35



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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8

Tab. 28-100: Interconnection diagram IKG4221

Connection Cables

28.2.2 RKLxxxx

RKL00xx

RKL0005

Connection motor

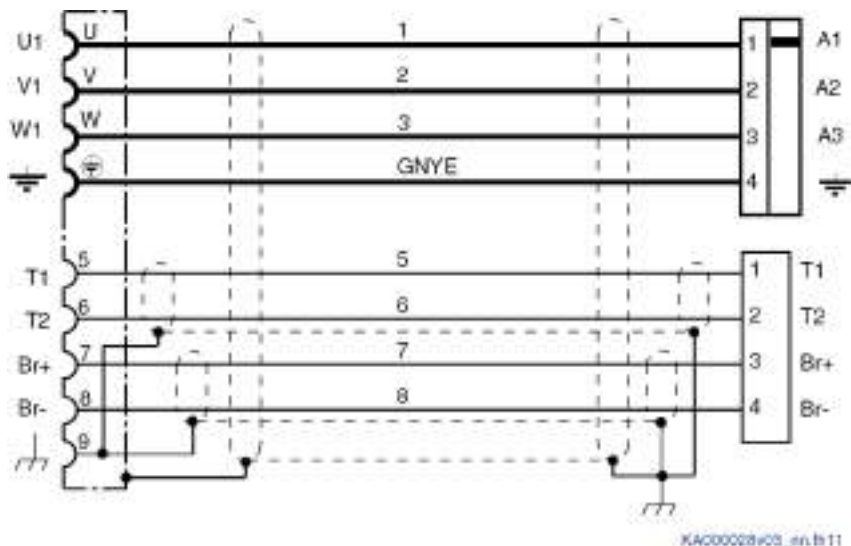
RLS1101/C02

Bulk cable

REL0753

Connection controller

RLS0722/K01



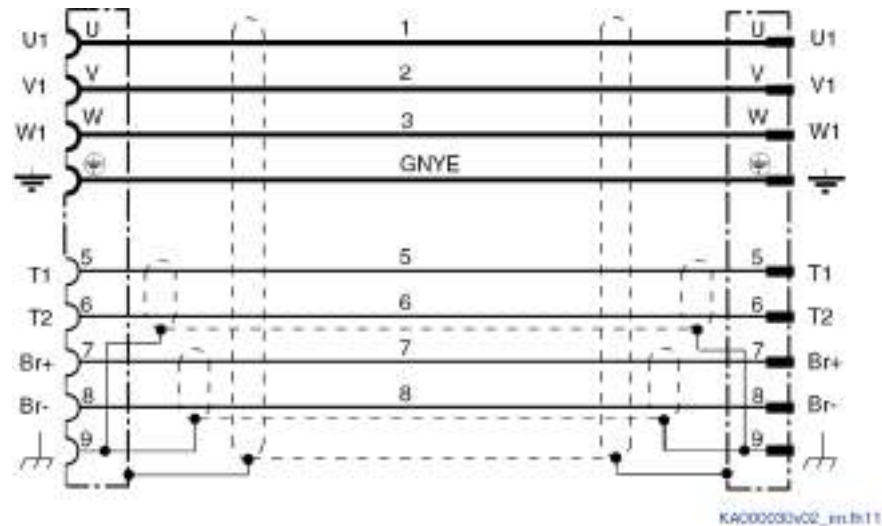
© Bosch Rexroth AG, 2013

1.0 mm² wires 1, 2, 3, GNYE0.75 mm² wires 5, 6, 7, 8

Tab. 28-101: Interconnection diagram RKL0005

RKL0006

Connection motor	Bulk cable	Connection plug connector
RLS1101/C02	REL0753	RLS1102/C02



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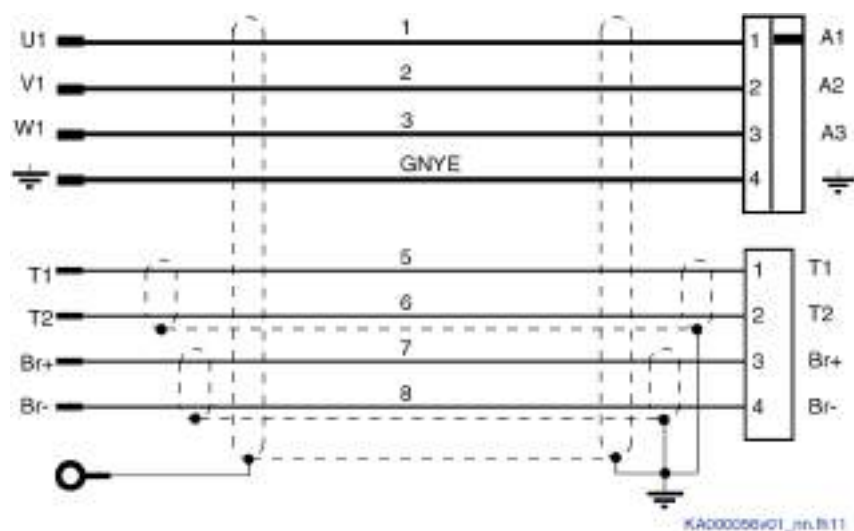
1.0 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8

Tab. 28-102: Interconnection diagram RKL0006

Connection Cables

RKL0008

Connection motor	Bulk cable	Connection controller
WEF/RKS	INK0650	RLS0721/K02



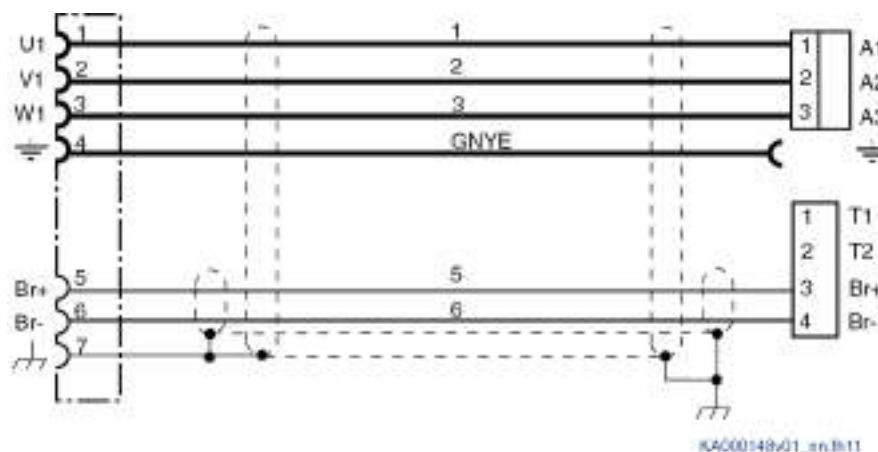
© Bosch Rexroth AG, 2013

1.5 mm² wires 1, 2, 3, GNYE**0.75 mm²** wires 5, 6, 7, 8

Tab. 28-103: Interconnection diagram RKL0008

RKL0013

Connection motor	Bulk cable	Connection controller
INS0751/C01	INK0670	RLS0745/K01



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0.75 mm² wires 1, 2, 3, GNYE

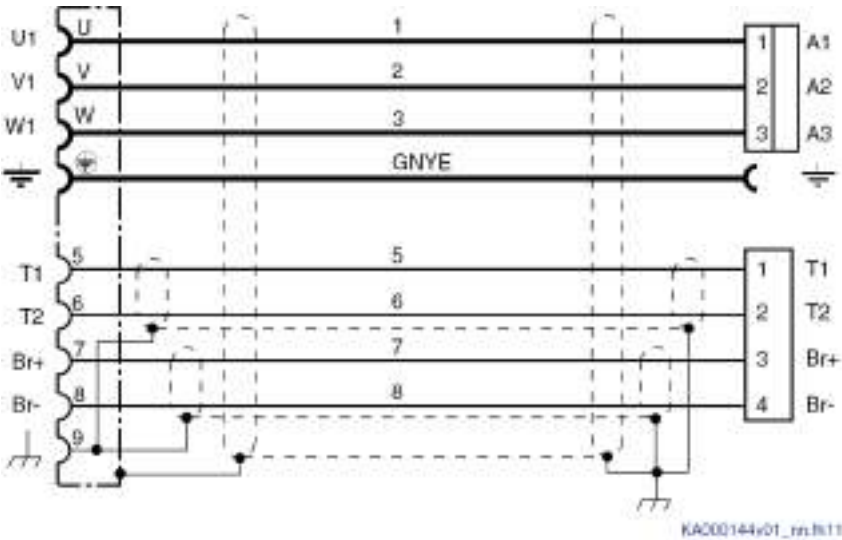
0.5 mm² wires 5, 6

Tab. 28-104: Interconnection diagram RKL0013

Connection Cables

RKL0014

Connection motor	Bulk cable	Connection controller
RLS1101/C02	INK0653	RLS0745/K01



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1.0 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Tab. 28-105: Interconnection diagram RKL0014

RKL0015

Connection motor

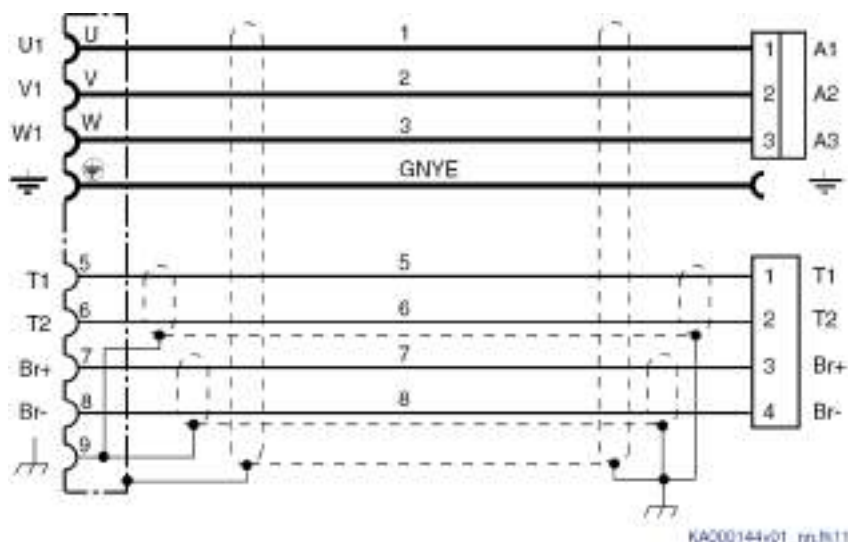
RLS1101/C02

Bulk cable

INK0650

Connection controller

RLS0745/K02



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1.5 mm² wires 1, 2, 3, GNYE

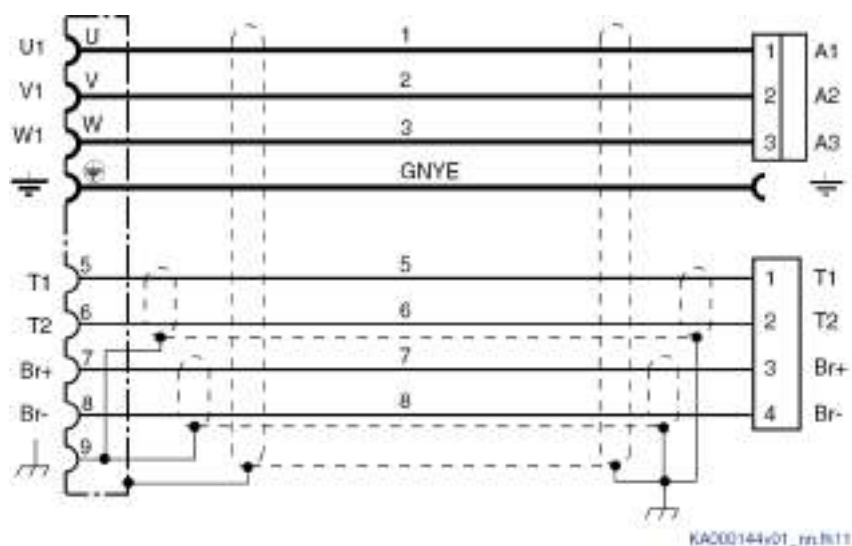
0.75 mm² wires 5, 6, 7, 8

Tab. 28-106: Interconnection diagram RKL0015

Connection Cables

RKL0016

Connection motor	Bulk cable	Connection controller
RLS1201/C03	INK0650	RLS0745/K02



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1.5 mm² wires 1, 2, 3, GNYE
 0.75 mm² wires 5, 6, 7, 8
 Tab. 28-107: Interconnection diagram RKL0016

RKL0017

Connection motor

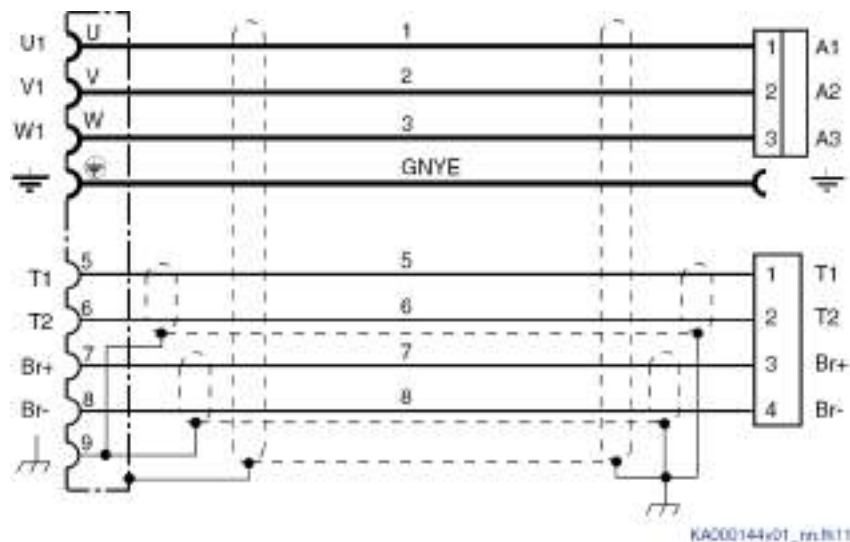
RLS1201/C03

Bulk cable

INK0650

Connection controller

RLS0746/K02



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1.5 mm² wires 1, 2, 3, GNYE

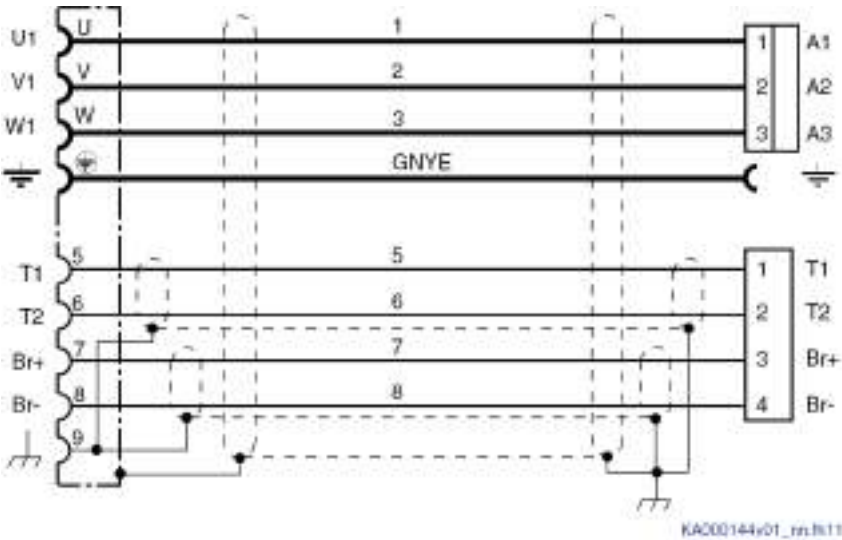
0.75 mm² wires 5, 6, 7, 8

Tab. 28-108: Interconnection diagram RKL0017

Connection Cables

RKL0018

Connection motor	Bulk cable	Connection controller
RLS1201/C04	INK0602	RLS0746/K03



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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-109: Interconnection diagram RKL0018

RKL0019

Connection motor

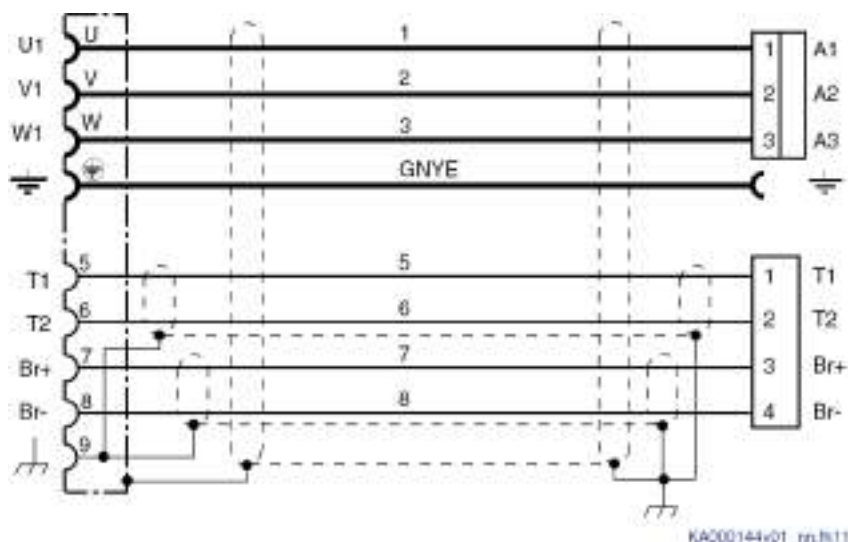
RLS1101/C02

Bulk cable

INK0653

Connection controller

RLS0746/K01



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1.0 mm² wires 1, 2, 3, GNYE

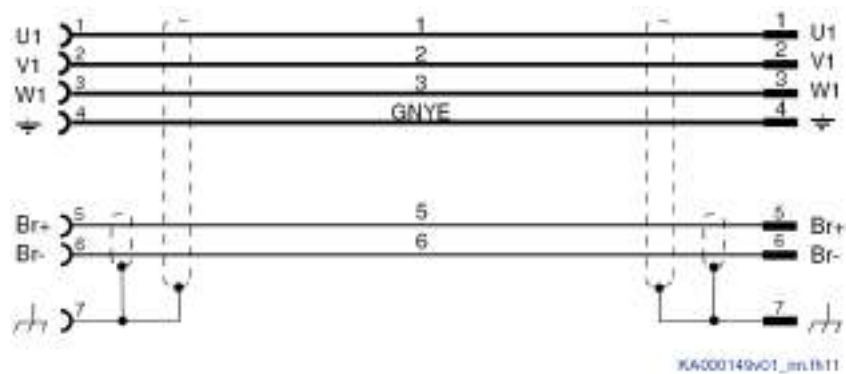
0.75 mm² wires 5, 6, 7, 8

Tab. 28-110: Interconnection diagram RKL0019

Connection Cables

RKL0035

Connection motor	Bulk cable	Connection plug connector
INS0751/C01	INK0670	INS0757/C01



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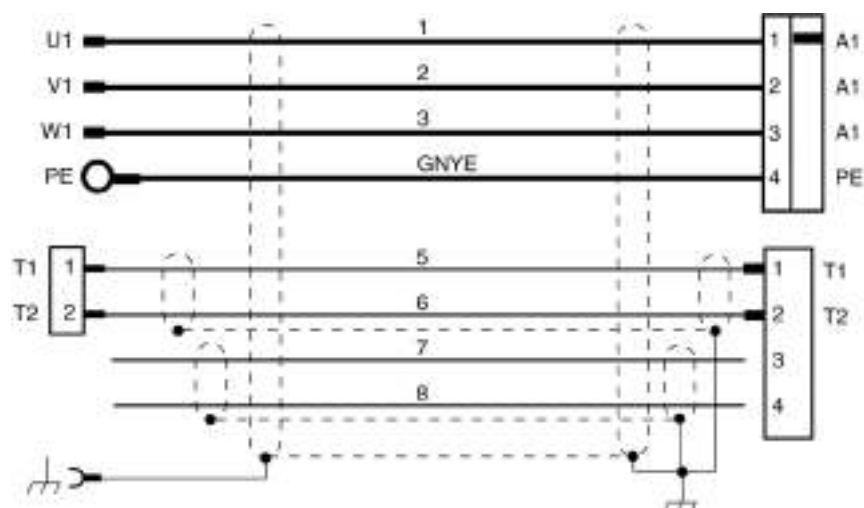
0.75 mm² wires 1, 2, 3, GNYE
0.5 mm² wires 5, 6
Tab. 28-111: Interconnection diagram RKL0035

RKL0037

Connection motor
RLK3101/K03

Bulk cable
INK0602

Connection controller
RLS0721/K03



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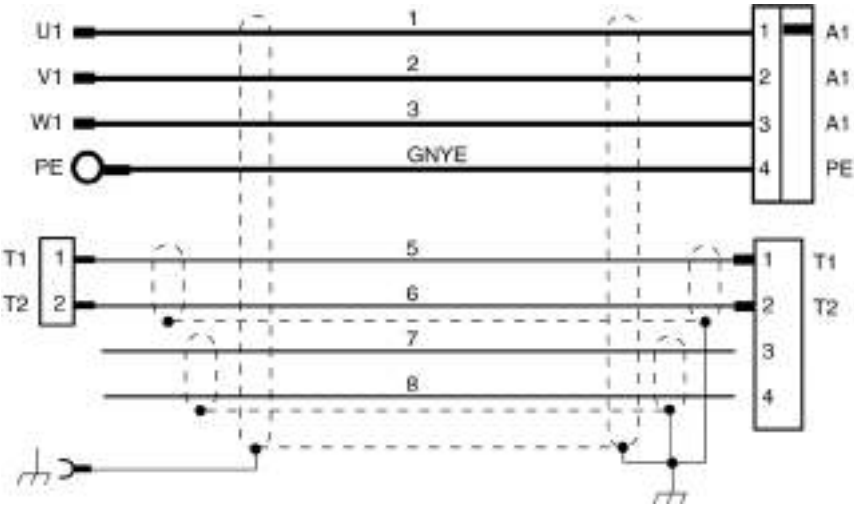
2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6

Tab. 28-112: Interconnection diagram RKL0037

Connection Cables

RKL0038

Connection motor	Bulk cable	Connection controller
RLK3101/K04	INK0603	RLS0721/K04



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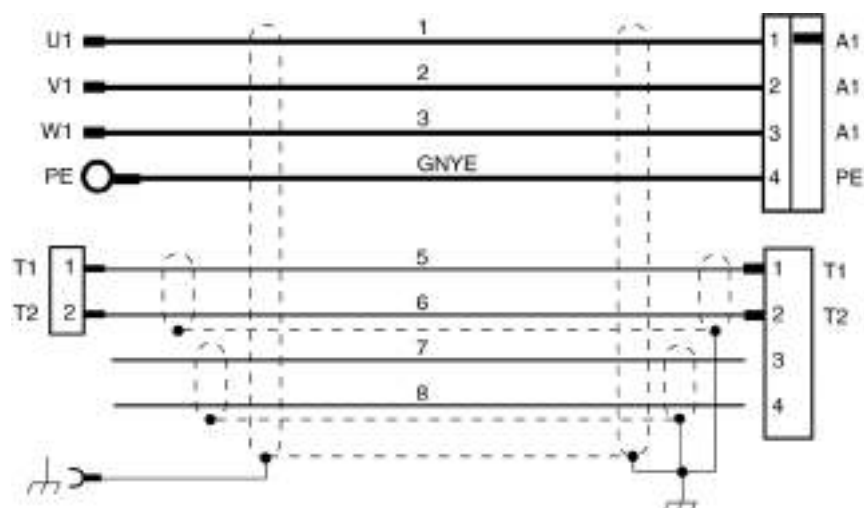
4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
Tab. 28-113: Interconnection diagram RKL0038

RKL0039

Connection motor
RLK3101/K06

Bulk cable
INK0604

Connection controller
INS0721/K06



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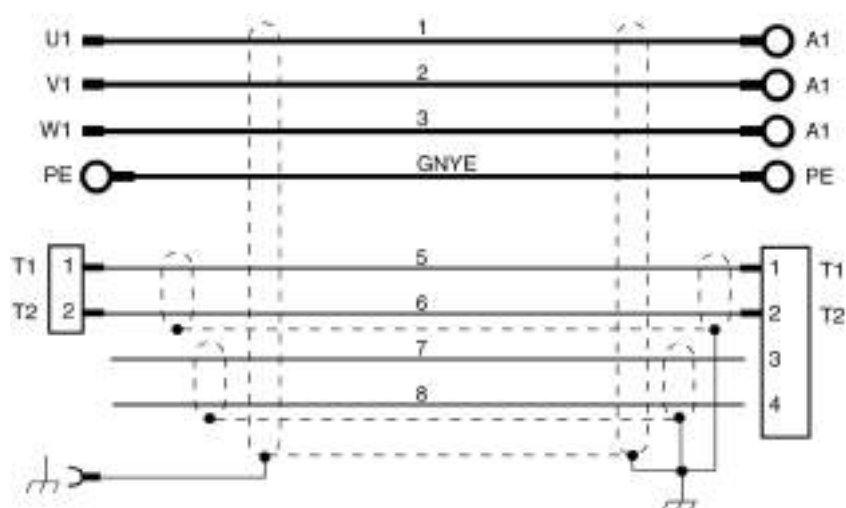
6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6

Tab. 28-114: Interconnection diagram RKL0039

Connection Cables

RKL0040

Connection motor	Bulk cable	Connection controller
RLK3101/K06	INK0604	RLS0723/K06



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6.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6

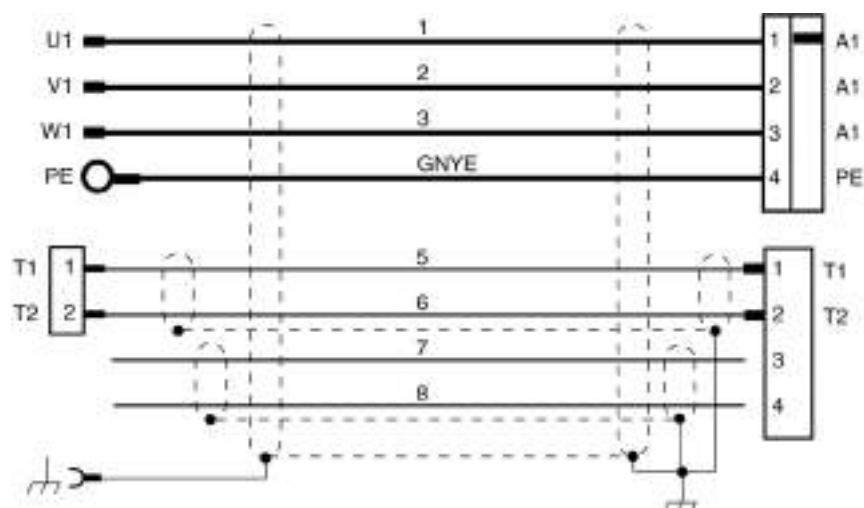
Tab. 28-115: Interconnection diagram RKL0040

RKL0041

Connection motor
RLK3101/K10

Bulk cable
INK0605

Connection controller
RLS0721/K10



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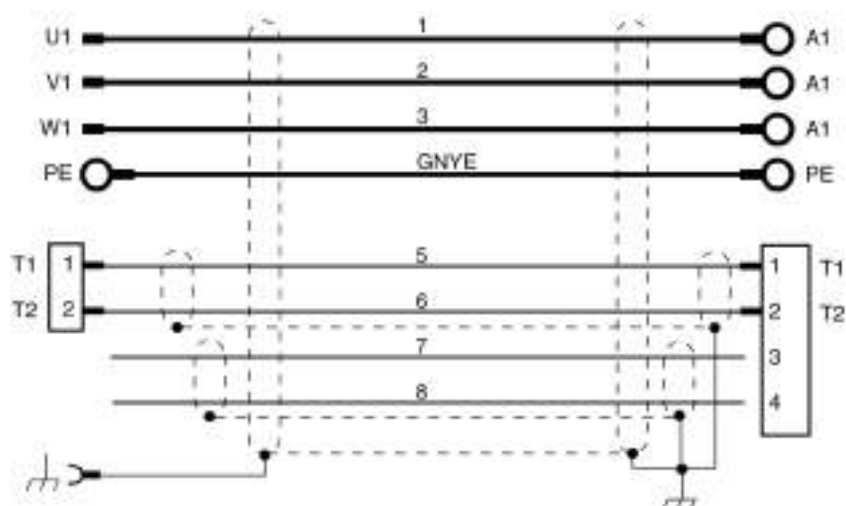
10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6

Tab. 28-116: Interconnection diagram RKL0041

Connection Cables

RKL0042

Connection motor	Bulk cable	Connection controller
RLK3101/K10	INK0605	RLS0723/K10



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10.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6

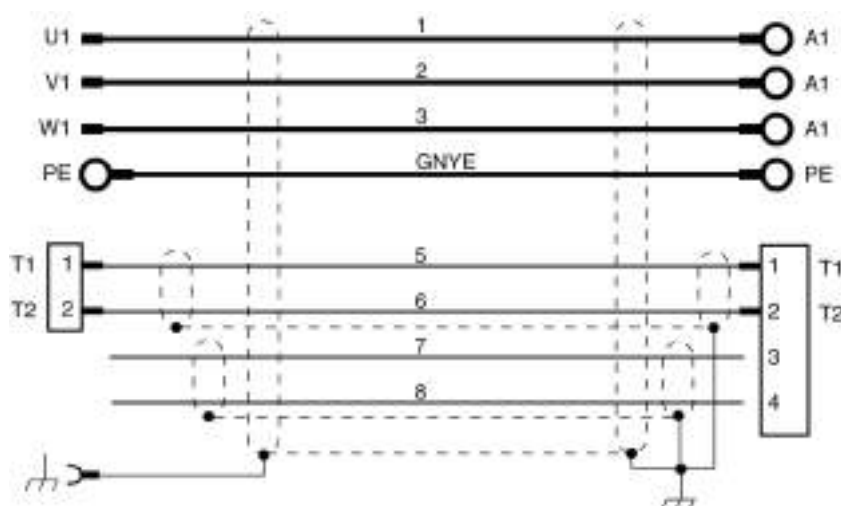
Tab. 28-117: Interconnection diagram RKL0042

RKL0043

Connection motor
RLK3101/K16

Bulk cable
INK0606

Connection controller
RLS0723/K16



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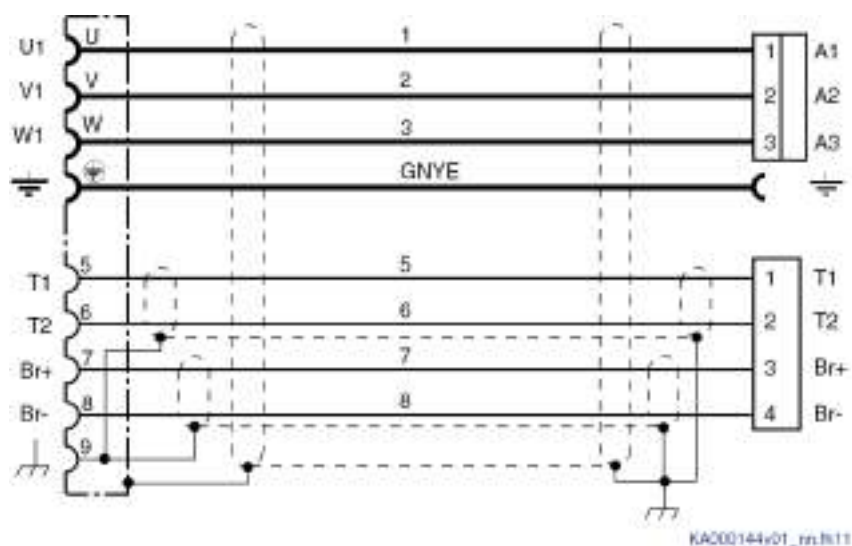
16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6

Tab. 28-118: Interconnection diagram RKL0043

Connection Cables

RKL0045

Connection motor	Bulk cable	Connection controller
RLS1301/C03	INK0650	RLS0746/K02



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1.5 mm² wires 1, 2, 3, GNYE
 0.75 mm² wires 5, 6, 7, 8
 Tab. 28-119: Interconnection diagram RKL0045

Connection Cables

RKL0046

Connection motor

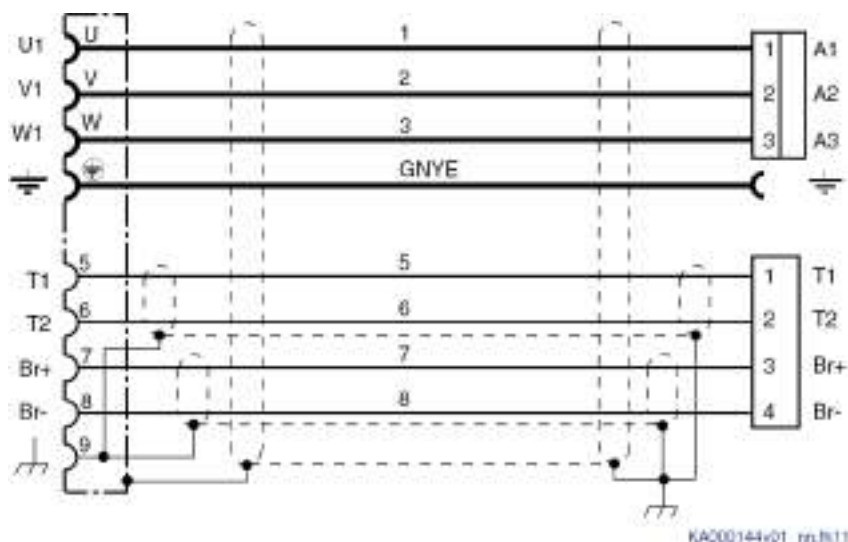
RLS1108/C03

Bulk cable

INK0602

Connection controller

RLS0746/K02



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2.5 mm² wires 1, 2, 3, GNYE

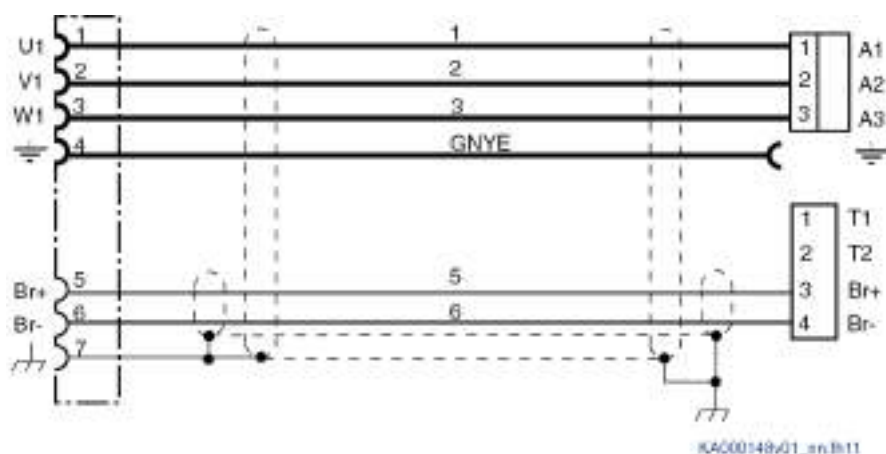
1.0 mm² wires 5, 6, 7, 8

Tab. 28-120: Interconnection diagram RKL0046

Connection Cables

RKL0047

Connection motor	Bulk cable	Connection controller
INS0751/C01	INK0670	RLS0746/KM75



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0.75 mm² wires 1, 2, 3, GNYE**0.5 mm²** wires 5, 6

Tab. 28-121: Interconnection diagram RKL0047

RKL0049

Connection motor

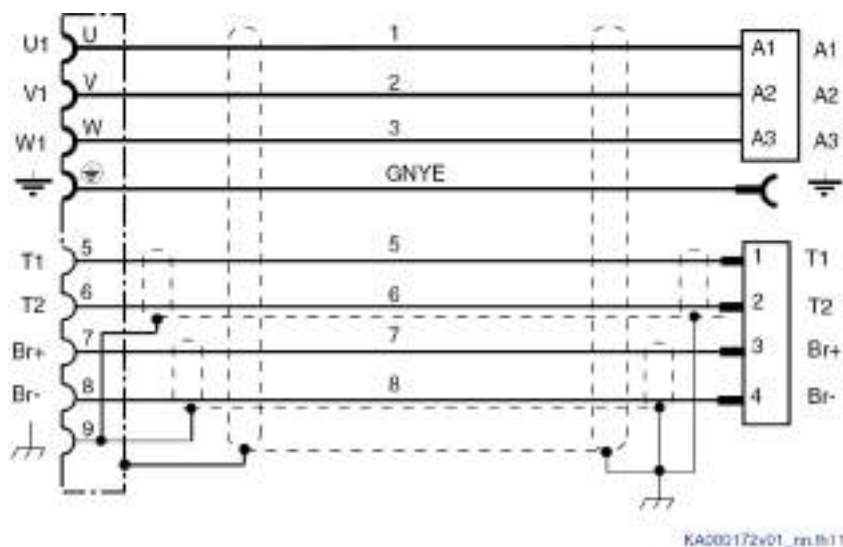
RLS1201/C06

Bulk cable

INK0604

Connection controller

RLS0749/K06



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6.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

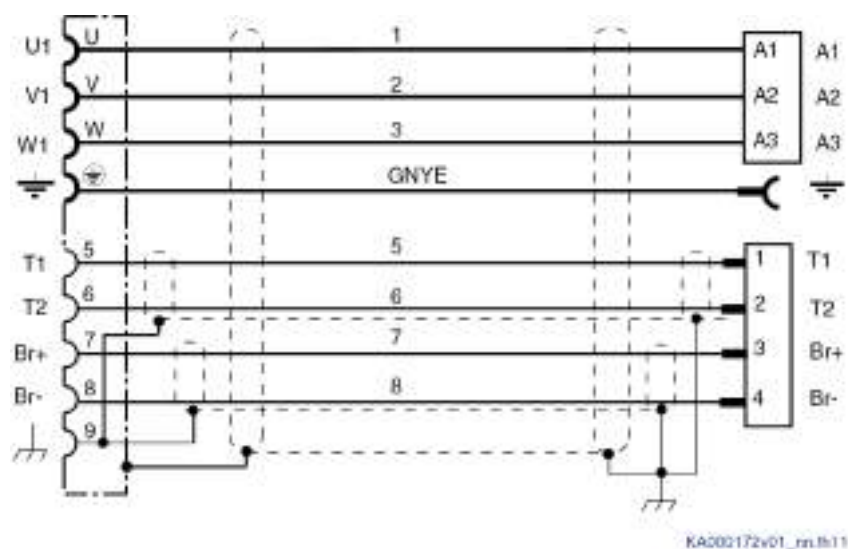
1.5 mm² wires 7, 8

Tab. 28-122: Interconnection diagram RKL0049

Connection Cables

RKL0050

Connection motor	Bulk cable	Connection controller
RLS1201/C02	INK0650	RLS0749/K02



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1.5 mm² wires 1, 2, 3, GNYE**0.75 mm²** wires 5, 6, 7, 8

Tab. 28-123: Interconnection diagram RKL0050

RKL0051

Connection motor

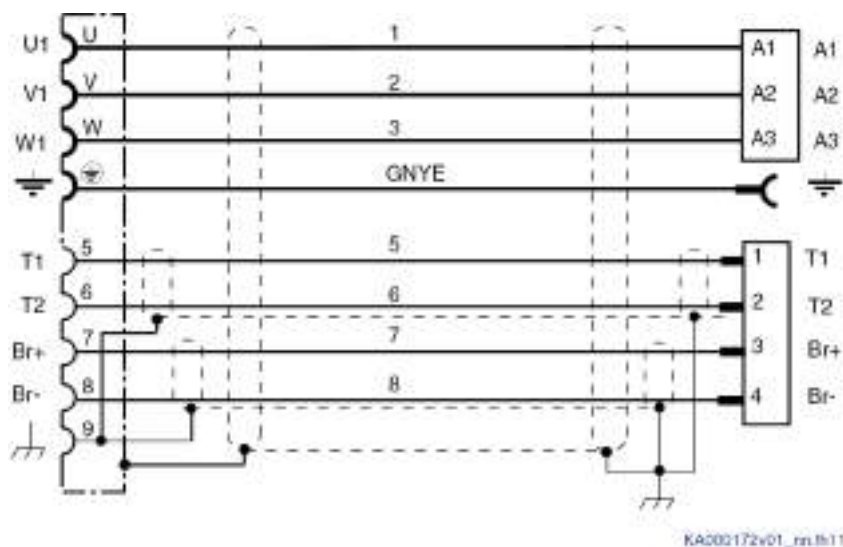
RLS1301/C03

Bulk cable

INK0602

Connection controller

RLS0749/K03



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2.5 mm² wires 1, 2, 3, GNYE

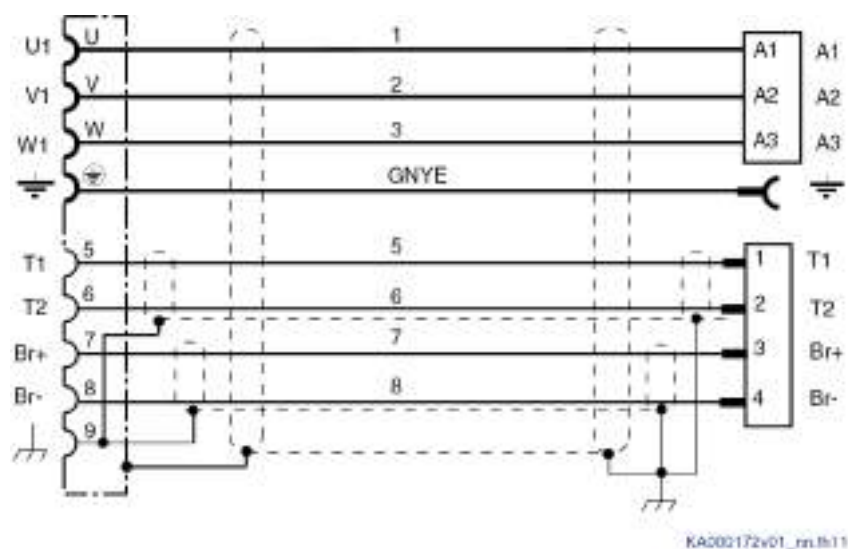
1.0 mm² wires 5, 6, 7, 8

Tab. 28-124: Interconnection diagram RKL0051

Connection Cables

RKL0052

Connection motor	Bulk cable	Connection controller
RLS1201/C03	INK0602	RLS0749/K03



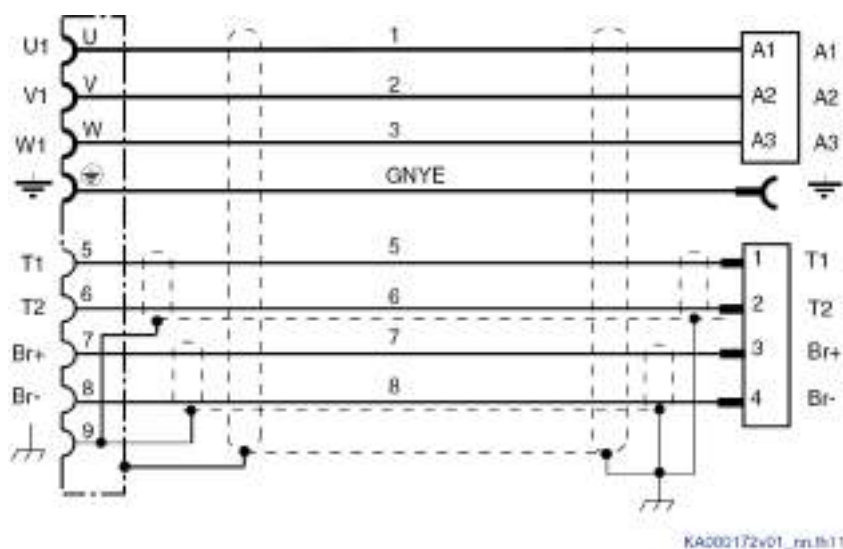
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2.5 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6, 7, 8

Tab. 28-125: Interconnection diagram RKL0052

RKL0053

Connection motor	Bulk cable	Connection controller
RLS1101/C02	INK0653	RLS0749/K01



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1.0 mm² wires 1, 2, 3, GNYE

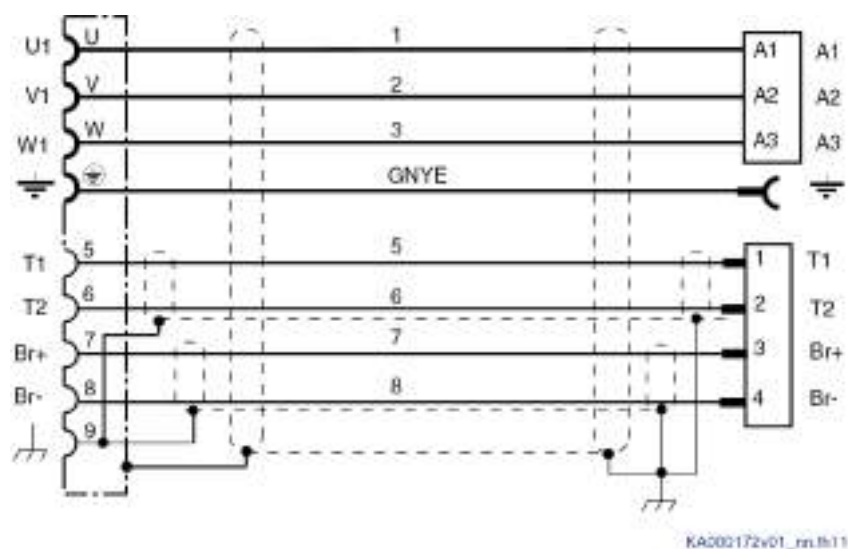
0.75 mm² wires 5, 6, 7, 8

Tab. 28-126: Interconnection diagram RKL0053

Connection Cables

RKL0054

Connection motor	Bulk cable	Connection controller
RLS1301/C02	INK0650	RLS0749/K02



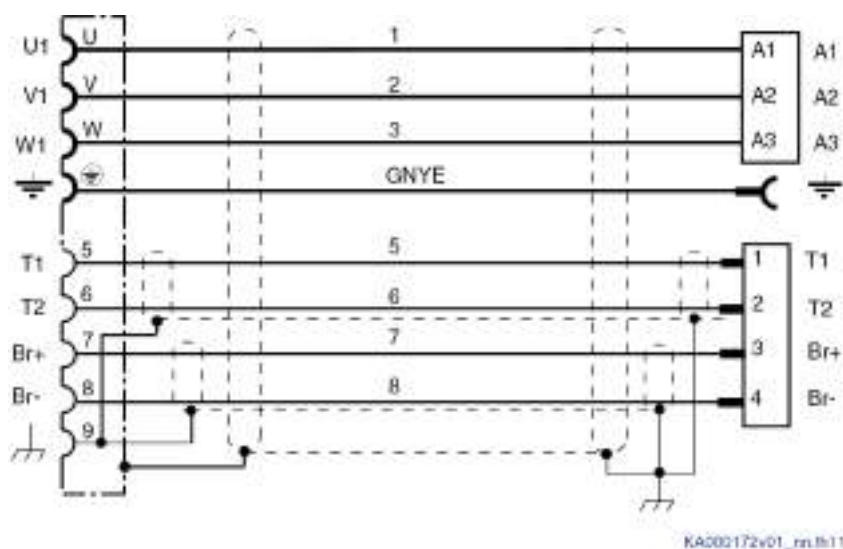
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1.5 mm² wires 1, 2, 3, GNYE**0.75 mm²** wires 5, 6, 7, 8

Tab. 28-127: Interconnection diagram RKL0054

RKL0055

Connection motor	Bulk cable	Connection controller
RLS1301/C06	INK0604	RLS0749/K06



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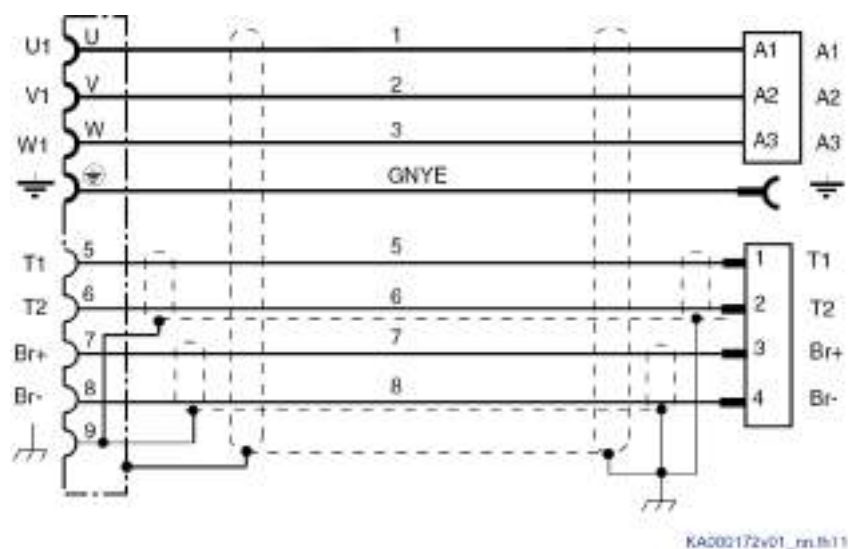
6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-128: Interconnection diagram RKL0055

Connection Cables

RKL0056

Connection motor	Bulk cable	Connection controller
RLS1301/C04	INK0603	RLS0749/K04



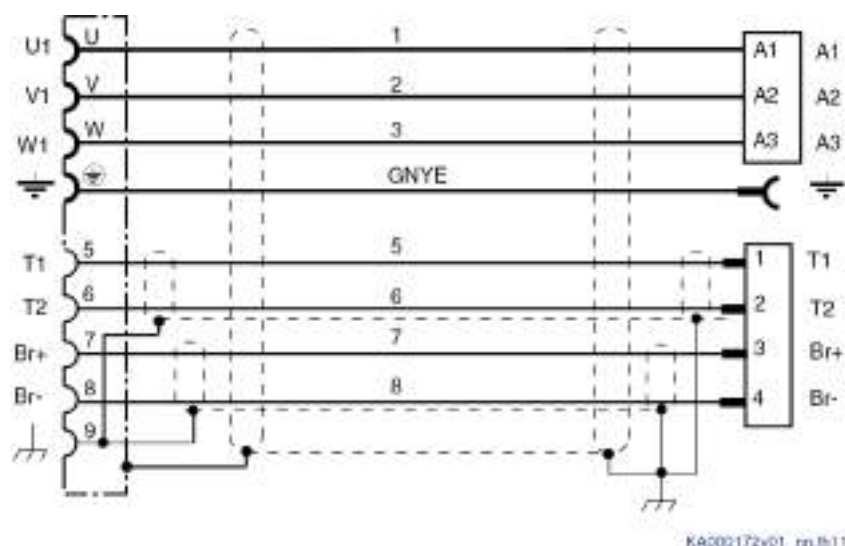
© Bosch Rexroth AG, 2013

4.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-129: Interconnection diagram RKL0056

RKL0057

Connection motor	Bulk cable	Connection controller
RLS1108/C03	INK0602	RLS0749/K03



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2.5 mm² wires 1, 2, 3, GNYE

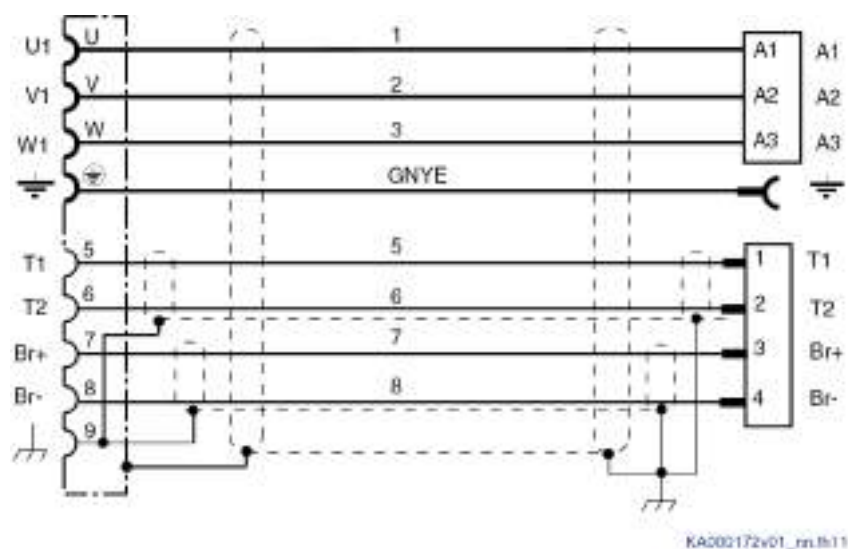
1.0 mm² wires 5, 6, 7, 8

Tab. 28-130: Interconnection diagram RKL0057

Connection Cables

RKL0058

Connection motor	Bulk cable	Connection controller
RLS1101/C01	INK0603	RLS0749/K04



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4.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-131: Interconnection diagram RKL0058

RKL0059

Connection motor

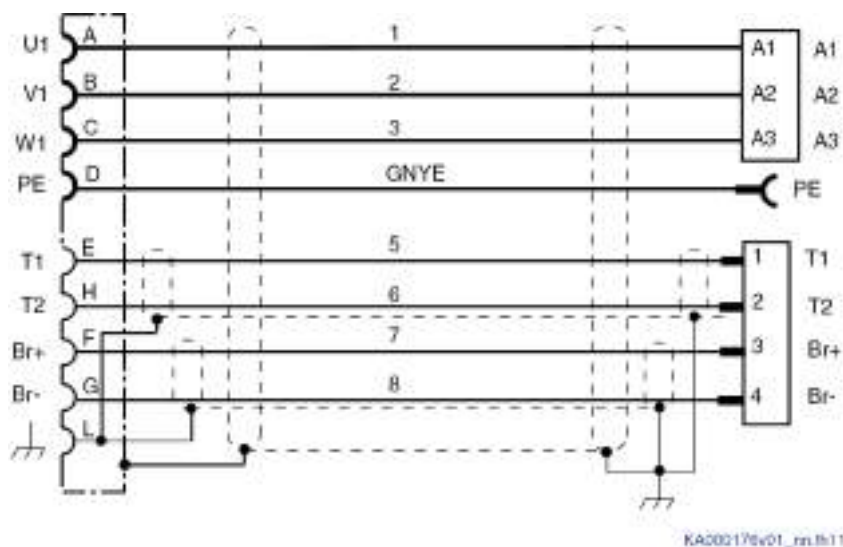
INS0481/C02

Bulk cable

INK0650

Connection controller

RLS0749/K02



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1.5 mm² wires 1, 2, 3, GNYE

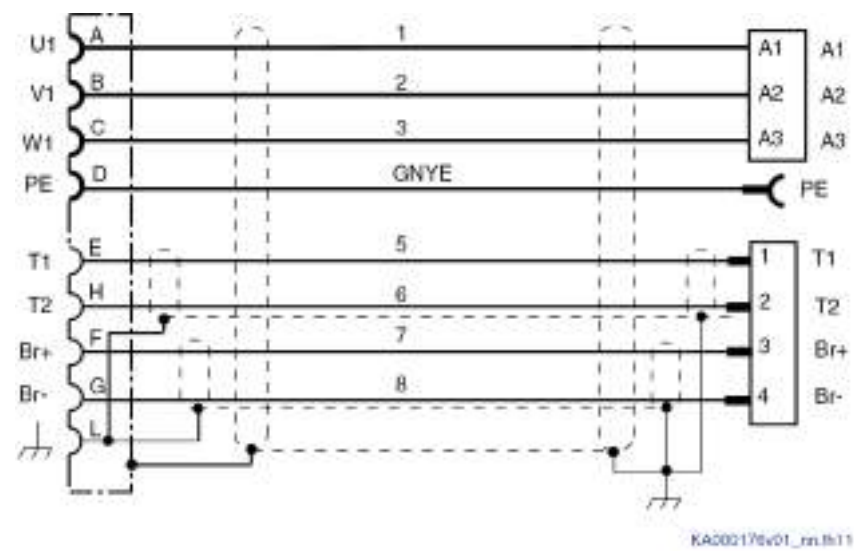
1.0 mm² wires 5, 6, 7, 8

Tab. 28-132: Interconnection diagram RKL0059

Connection Cables

RKL0060

Connection motor	Bulk cable	Connection controller
INS0481/C03	INK0602	RLS0749/K03

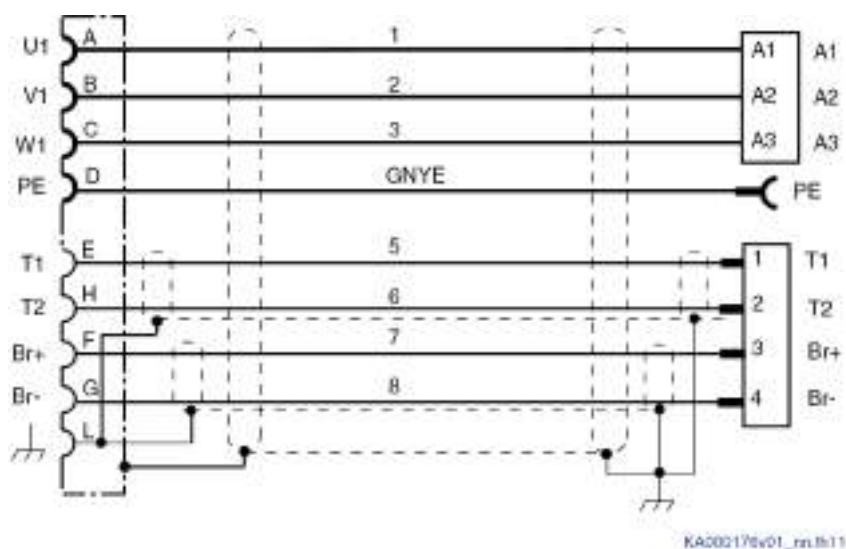


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2.5 mm² wires 1, 2, 3, GNYE
 1.0 mm² wires 5, 6, 7, 8
 Tab. 28-133: Interconnection diagram RKL0060

RKL0061

Connection motor	Bulk cable	Connection controller
INS0381/C06	INK0604	RLS0749/K06



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6.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

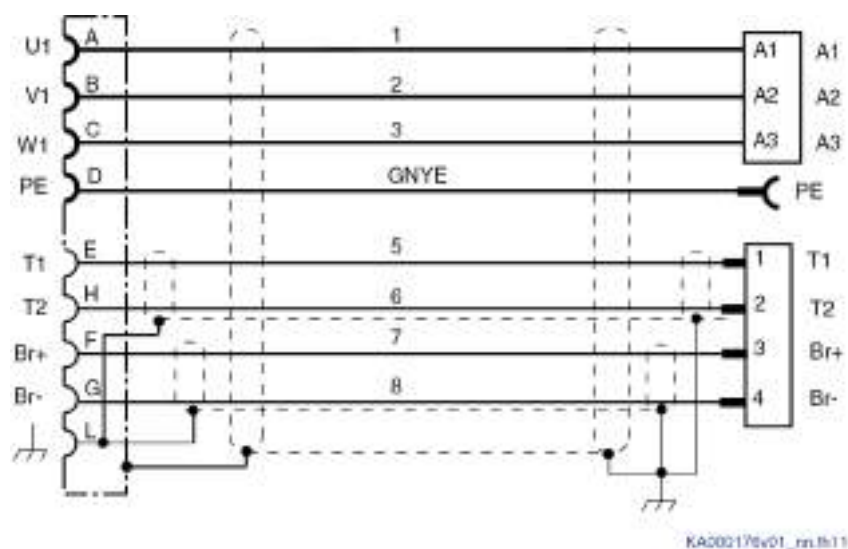
1.5 mm² wires 7, 8

Tab. 28-134: Interconnection diagram RKL0061

Connection Cables

RKL0062

Connection motor	Bulk cable	Connection controller
INS0481/C04	INK0603	RLS0749/K04



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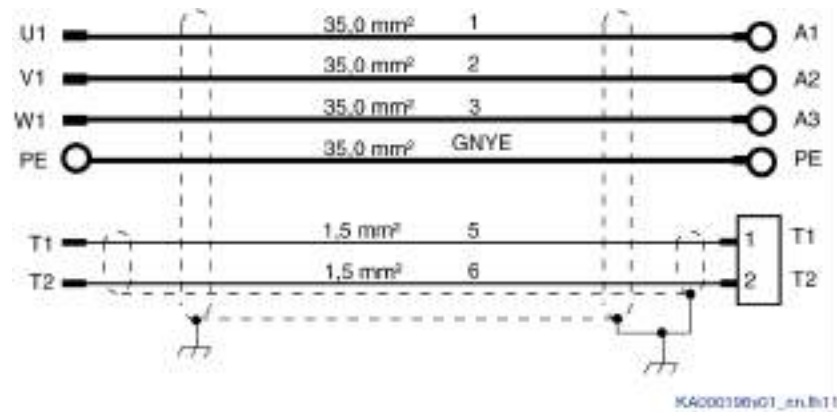
4.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-135: Interconnection diagram RKL0062

Connection Cables

RKL0064

Connection motor	Bulk cable	Connection controller
RLK1301/K35	INK0667	RLS0750/K35



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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6

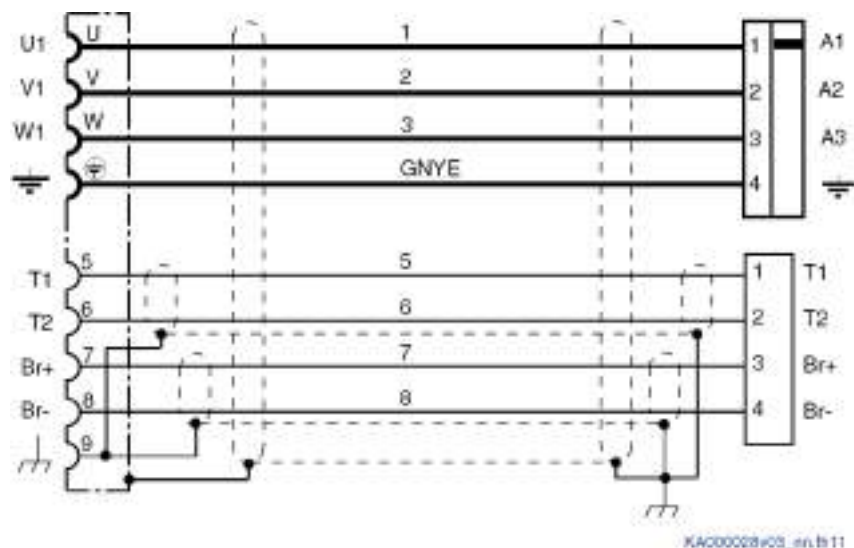
Tab. 28-136: Interconnection diagram RKL0064

Connection Cables

RKL43xx

RKL4300

Connection motor	Bulk cable	Connection controller
RLS1101/C01	INK0650	RLS0722/K02



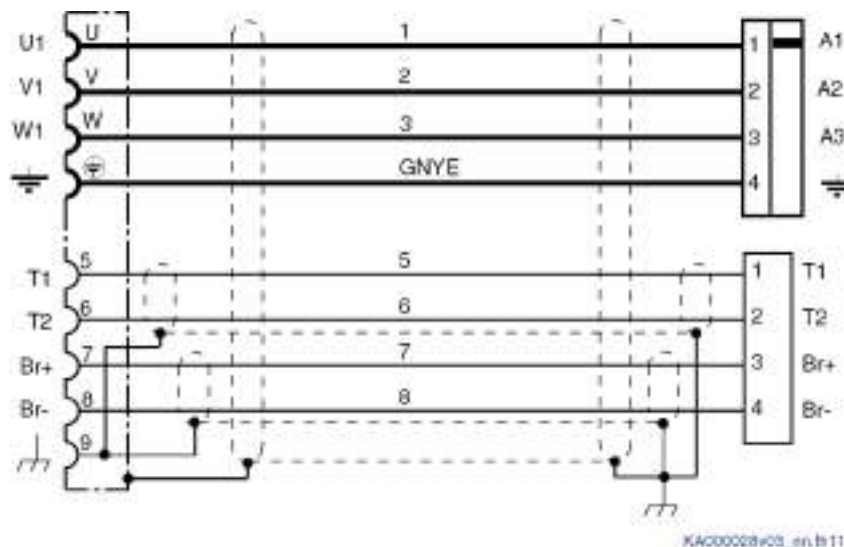
© Bosch Rexroth AG, 2013

1.5 mm² wires 1, 2, 3, GNYE**0.75 mm²** wires 5, 6, 7, 8

Tab. 28-137: Interconnection diagram RKL4300

RKL4301

Connection motor	Bulk cable	Connection controller
RLS1101/C02	INK0650	RLS0721/K02



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1.5 mm² wires 1, 2, 3, GNYE

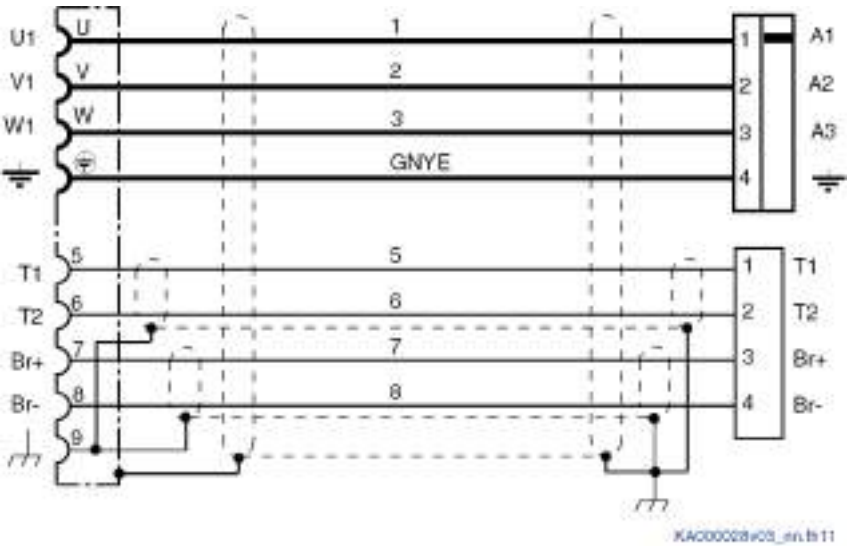
0.75 mm² wires 5, 6, 7, 8

Tab. 28-138: Interconnection diagram RKL4301

Connection Cables

RKL4302

Connection motor	Bulk cable	Connection controller
RLS1101/C02	INK0653	RLS0722/K01



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1.0 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Tab. 28-139: Interconnection diagram RKL4302

RKL4303

Connection motor

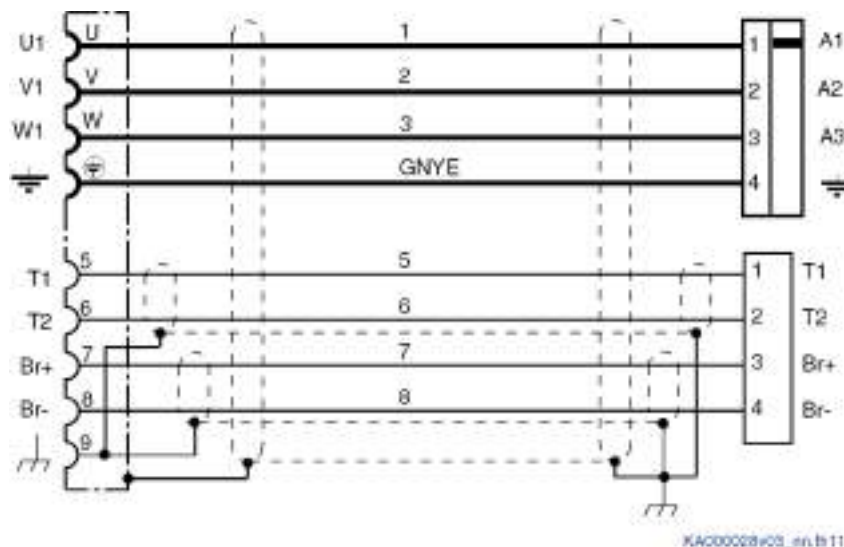
RLS1101/C02

Bulk cable

INK0653

Connection controller

RLS0721/K01



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1.0 mm² wires 1, 2, 3, GNYE

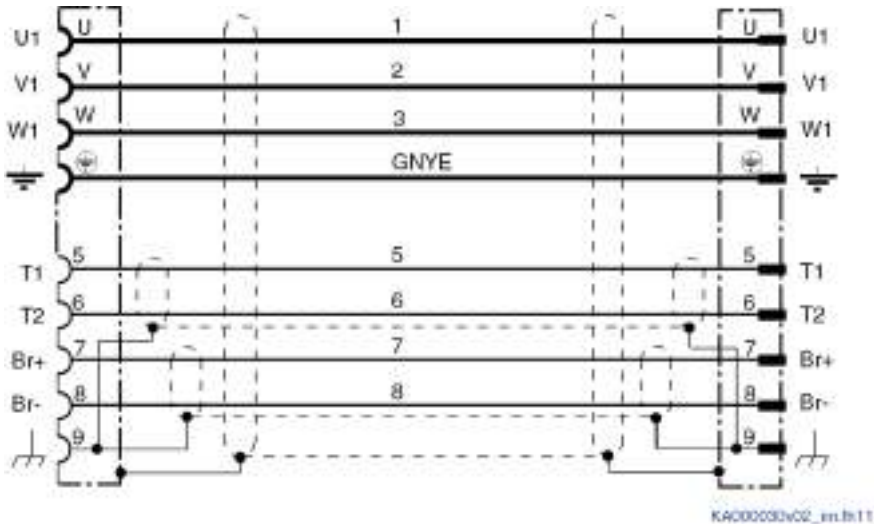
0.75 mm² wires 5, 6, 7, 8

Tab. 28-140: Interconnection diagram RKL4303

Connection Cables

RKL4304

Connection motor	Bulk cable	Connection plug connector
RLS1101/C02	INK0650	RLS1102/C02

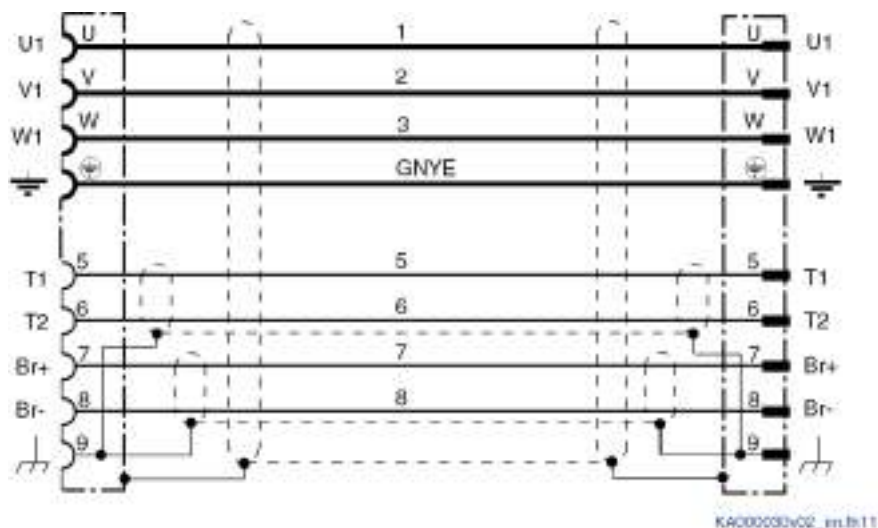


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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Tab. 28-141: Interconnection diagram RKL4304

RKL4305

Connection motor	Bulk cable	Connection plug connector
RLS1101/C02	INK0653	RLS1102/C02



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1.0 mm² wires 1, 2, 3, GNYE

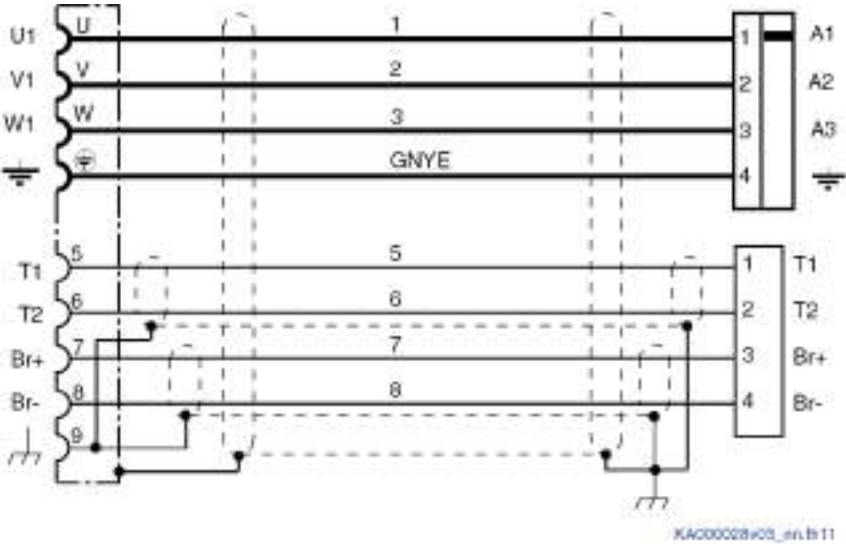
0.75 mm² wires 5, 6, 7, 8

Tab. 28-142: Interconnection diagram RKL4305

Connection Cables

RKL4306

Connection motor	Bulk cable	Connection controller
RLS1201/C03	INK0650	RLS0722/K02



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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Tab. 28-143: Interconnection diagram RKL4306

RKL4307

Connection motor

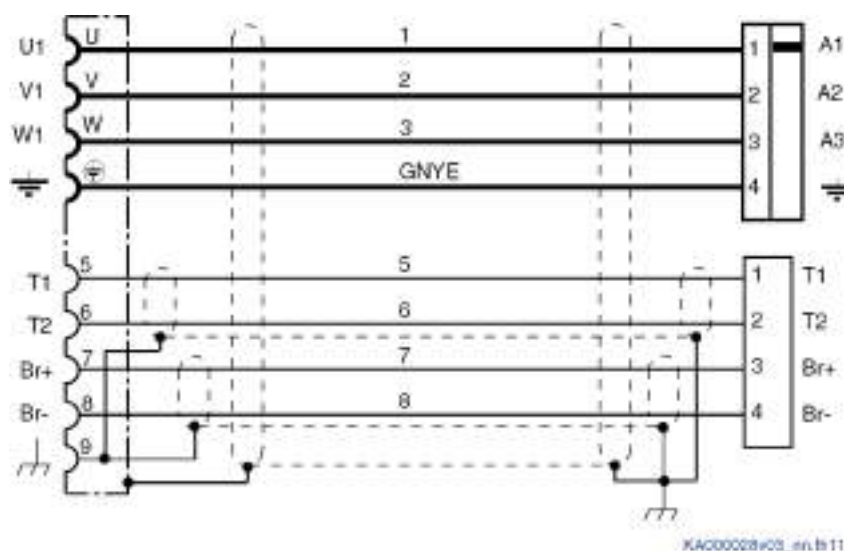
RLS1201/C03

Bulk cable

INK0650

Connection controller

RLS0721/K02



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1.5 mm² wires 1, 2, 3, GNYE

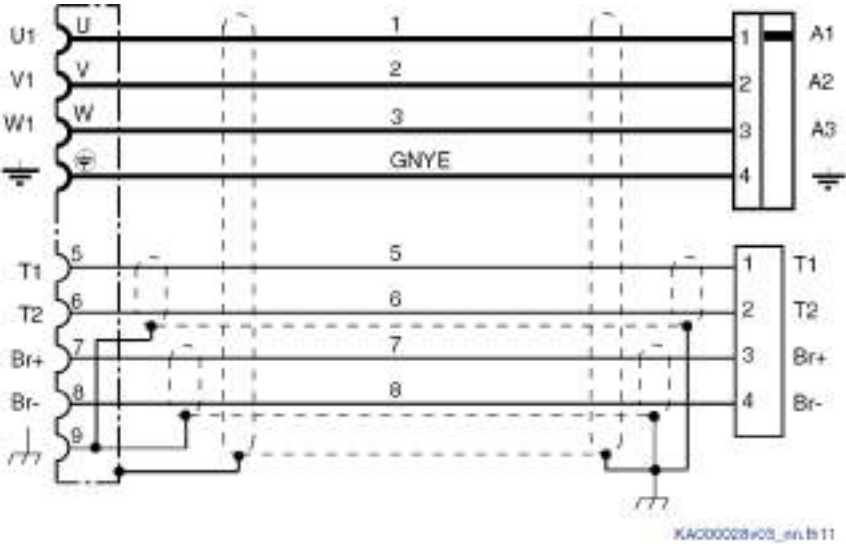
0.75 mm² wires 5, 6, 7, 8

Tab. 28-144: Interconnection diagram RKL4307

Connection Cables

RKL4308

Connection motor	Bulk cable	Connection controller
RLS1201/C04	INK0602	RLS0722/K03



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2.5 mm² wires 1, 2, 3, GNYE
 1.0 mm² wires 5, 6, 7, 8
 Tab. 28-145: Interconnection diagram RKL4308

RKL4309

Connection motor

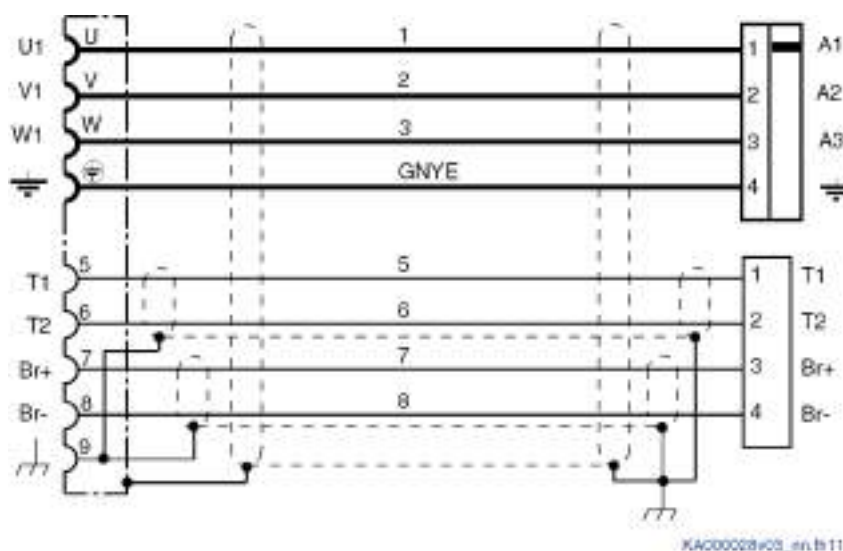
RLS1201/C04

Bulk cable

INK0602

Connection controller

RLS0721/K03



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2.5 mm²

wires 1, 2, 3, GNYE

1.0 mm²

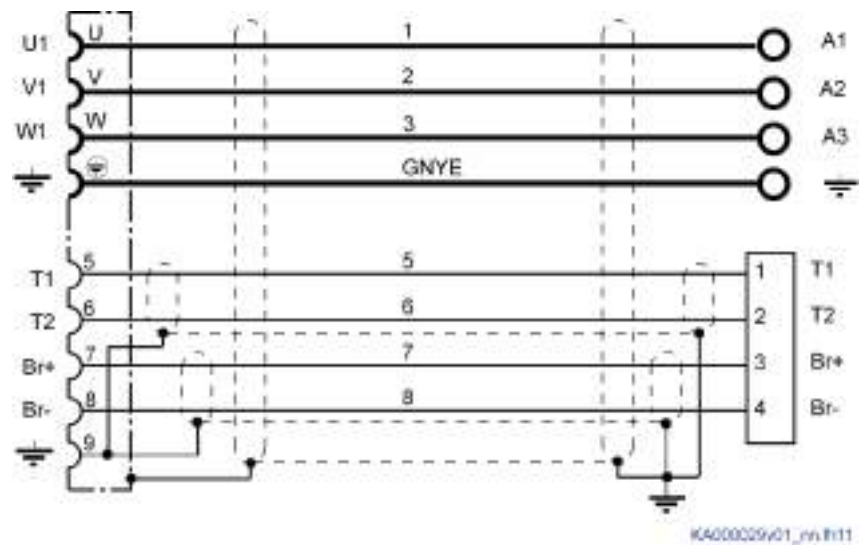
wires 5, 6, 7, 8

Tab. 28-146: Interconnection diagram RKL4309

Connection Cables

RKL4310

Connection motor	Bulk cable	Connection controller
RLS1201/C04	INK0602	RLS0723/K03

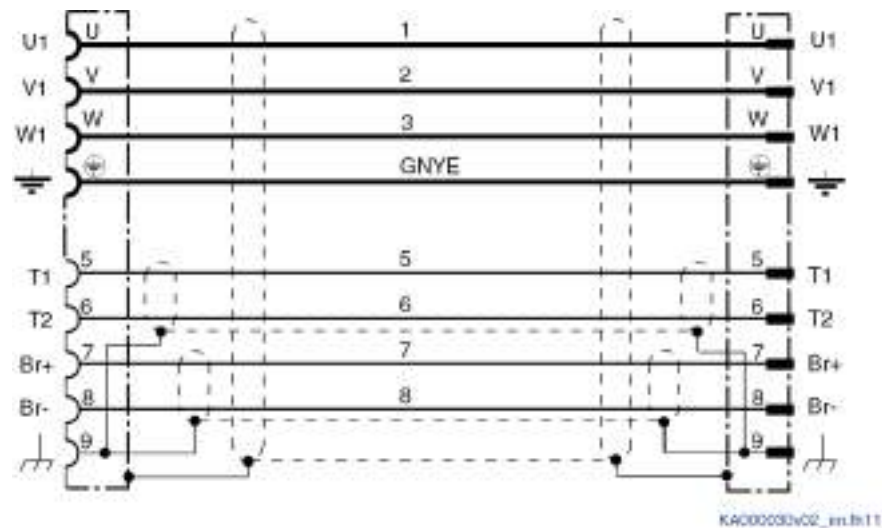


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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-147: Interconnection diagram RKL4310

RKL4311

Connection motor	Bulk cable	Connection plug connector
RLS1201/C03	INK0650	RLS1202/C03



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1.5 mm² wires 1, 2, 3, GNYE

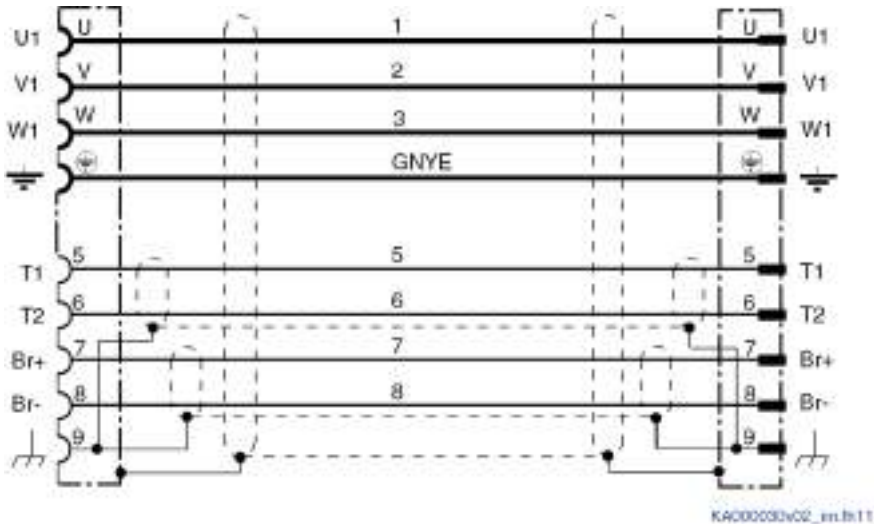
0.75 mm² wires 5, 6, 7, 8

Tab. 28-148: Interconnection diagram RKL4311

Connection Cables

RKL4312

Connection motor	Bulk cable	Connection plug connector
RLS1201/C04	INK0602	RLS1202/C04

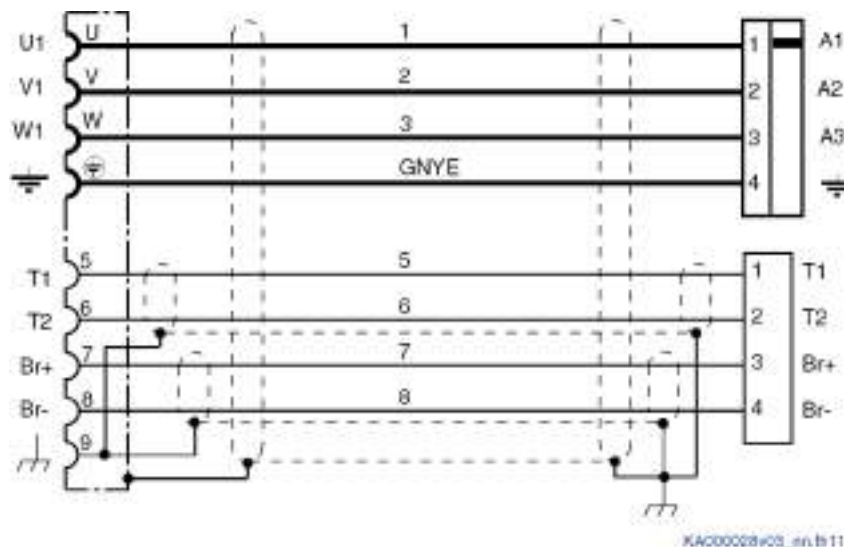


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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-149: Interconnection diagram RKL4312

RKL4313

Connection motor	Bulk cable	Connection controller
RLS1201/C04	INK0603	RLS0722/K04



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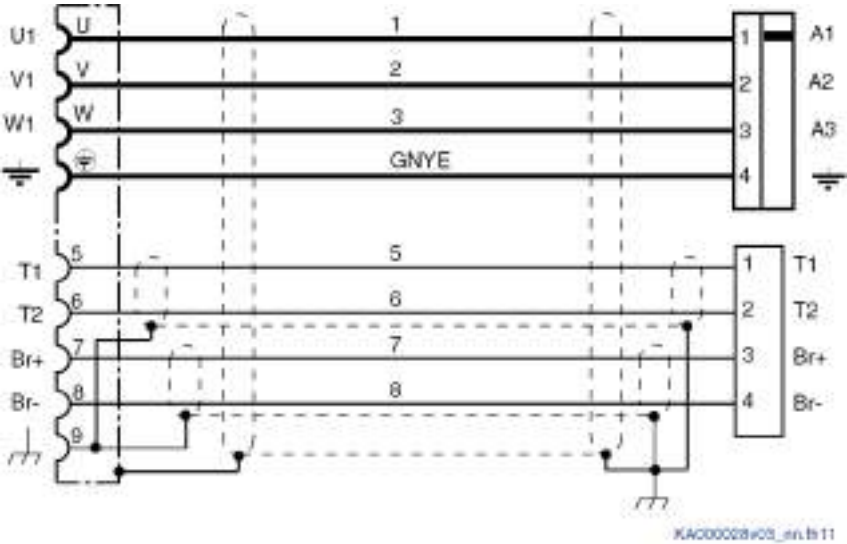
4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-150: Interconnection diagram RKL4313

Connection Cables

RKL4314

Connection motor	Bulk cable	Connection controller
RLS1201/C04	INK0603	RLS0721/K04

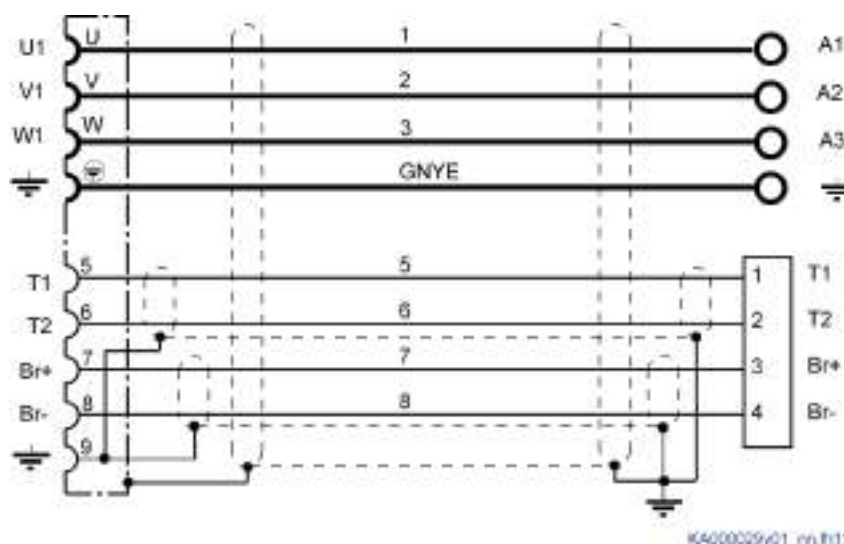


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4.0 mm²	wires 1, 2, 3, GNYE
1.0 mm²	wires 5, 6
1.5 mm²	wires 7, 8
Tab. 28-151: Interconnection diagram RKL4314	

RKL4315

Connection motor	Bulk cable	Connection controller
RLS1201/C04	INK0603	RLS0723/K04



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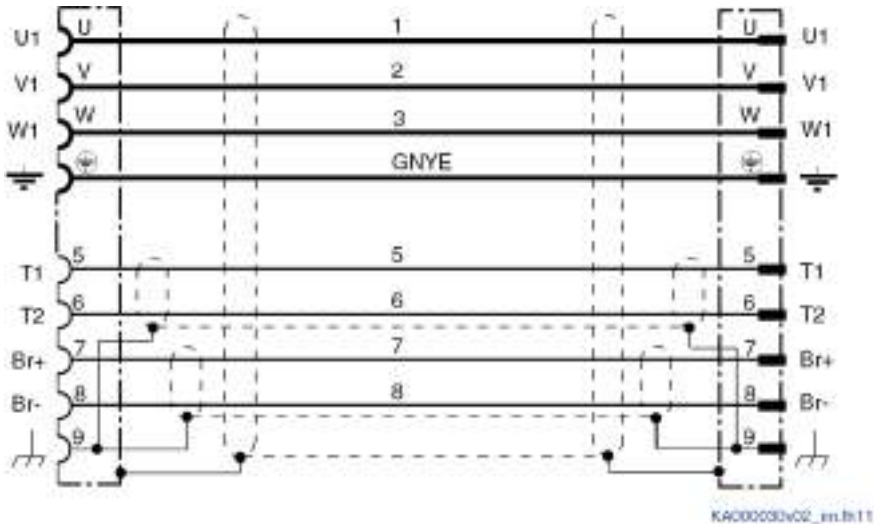
4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-152: Interconnection diagram RKL4315

Connection Cables

RKL4316

Connection motor	Bulk cable	Connection plug connector
RLS1201/C04	INK0603	RLS1202/C04



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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-153: Interconnection diagram RKL4316

RKL4317

Connection motor

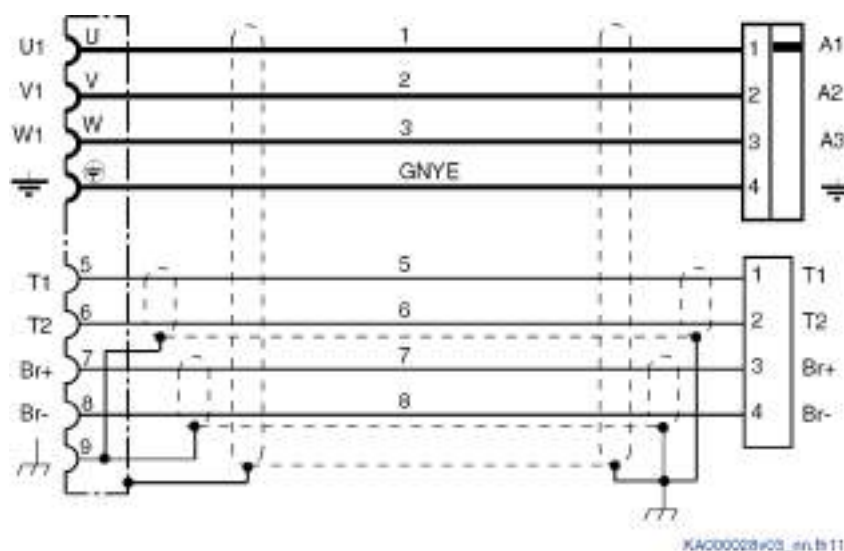
RLS1201/C06

Bulk cable

INK0604

Connection controller

RLS0721/K06



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6.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

1.5 mm² wires 7, 8

Tab. 28-154: Interconnection diagram RKL4317

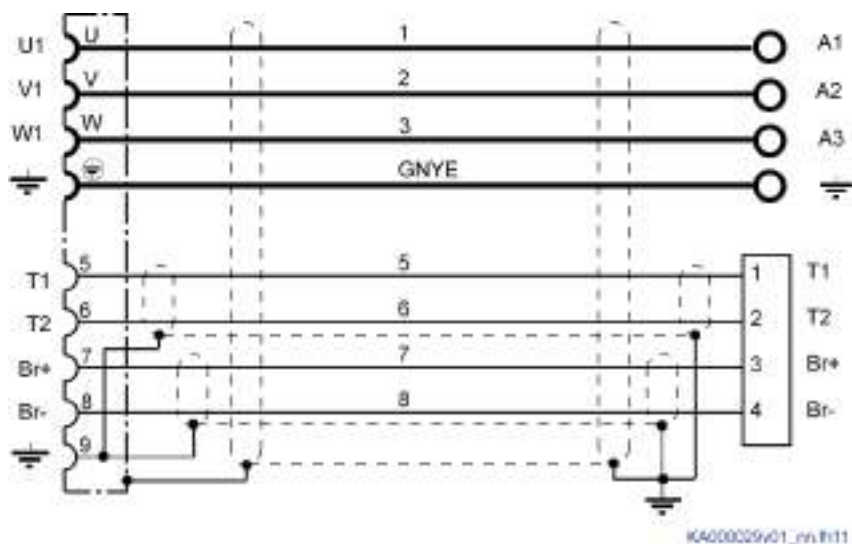
Connection Cables

RKL4318

Connection motor
RLS1201/C06

Bulk cable
INK0604

Connection controller
RLS0723/K06



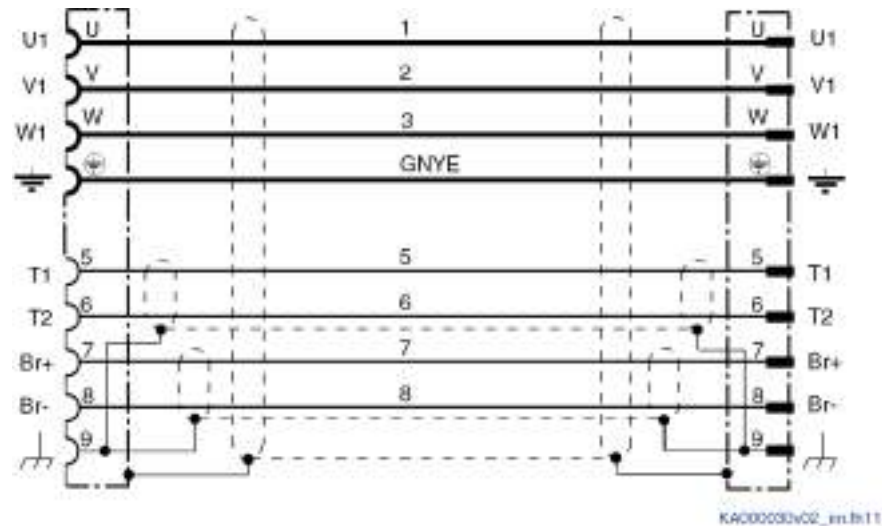
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6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-155: Interconnection diagram RKL4318

RKL4319

Connection motor	Bulk cable	Connection plug connector
RLS1201/C06	INK0604	RLS1202/C06



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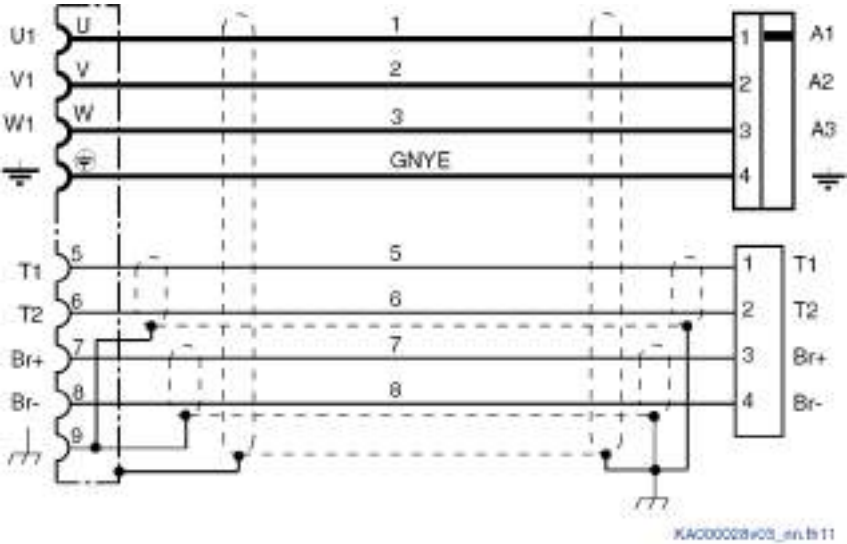
6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-156: Interconnection diagram RKL4319

Connection Cables

RKL4320

Connection motor	Bulk cable	Connection controller
RLS1301/C03	INK0650	RLS0721/K02



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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Tab. 28-157: Interconnection diagram RKL4320

RKL4321

Connection motor

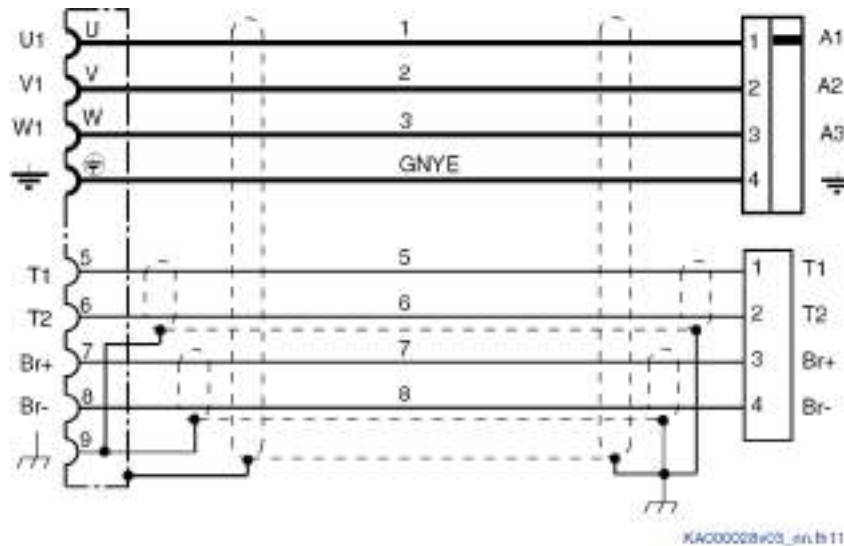
RLS1301/C03

Bulk cable

INK0602

Connection controller

RLS0721/K03



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2.5 mm²

wires 1, 2, 3, GNYE

1.0 mm²

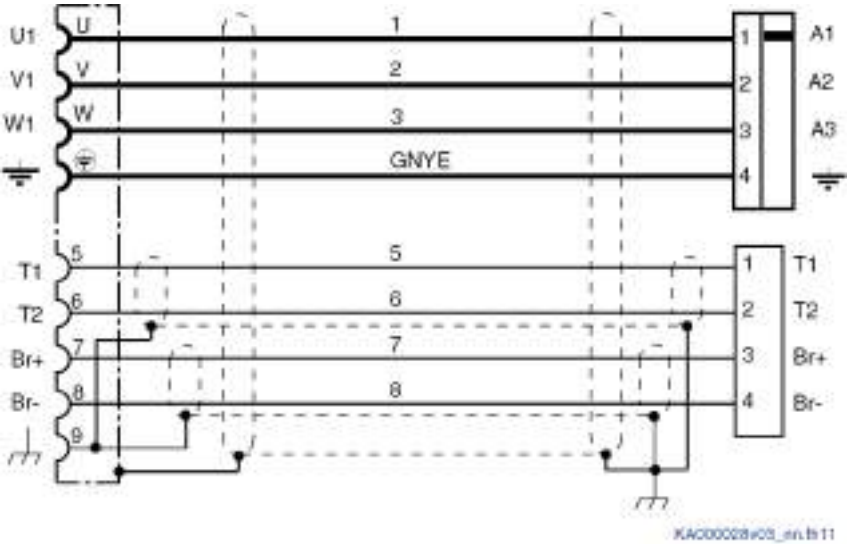
wires 5, 6, 7, 8

Tab. 28-158: Interconnection diagram RKL4321

Connection Cables

RKL4322

Connection motor	Bulk cable	Connection controller
RLS1301/C04	INK0603	RLS0721/K04



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4.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8
Tab. 28-159: Interconnection diagram RKL4322	

RKL4323

Connection motor

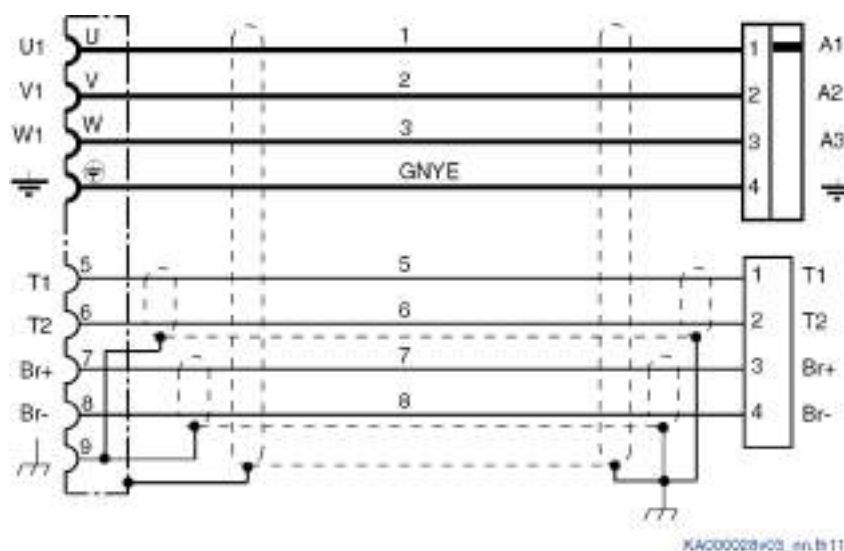
RLS1301/C06

Bulk cable

INK0604

Connection controller

RLS0721/K06



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6.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

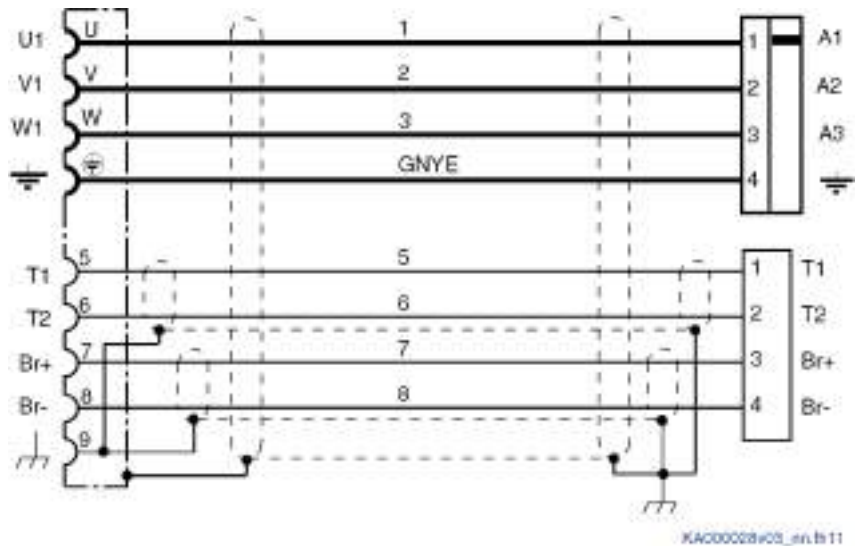
1.5 mm² wires 7, 8

Tab. 28-160: Interconnection diagram RKL4323

Connection Cables

RKL4324

Connection motor	Bulk cable	Connection controller
RLS1301/C10	INK0605	RLS0721/K10



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- 10.0 mm² wires 1, 2, 3, GNYE
 - 1.0 mm² wires 5, 6
 - 1.5 mm² wires 7, 8
- Tab. 28-161: Interconnection diagram RKL4324

RKL4325

Connection motor

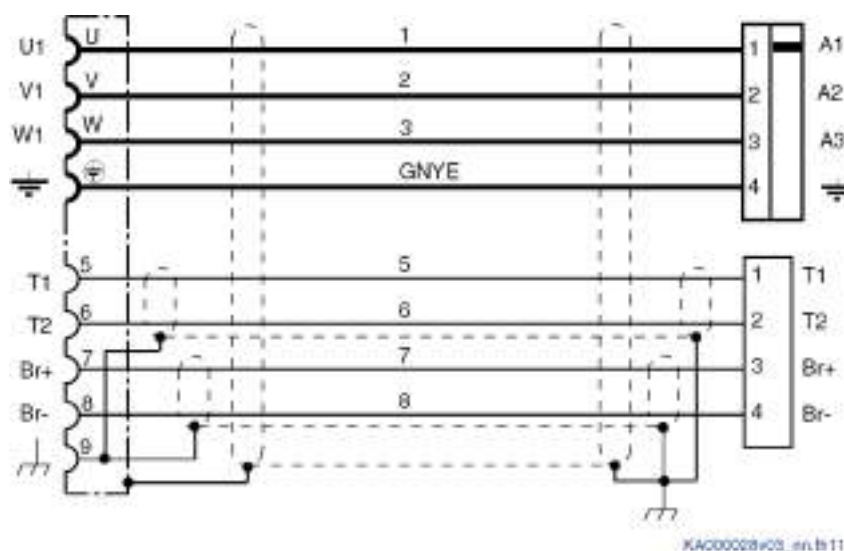
RLS1301/C03

Bulk cable

INK0650

Connection controller

RLS0722/K02



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1.5 mm² wires 1, 2, 3, GNYE

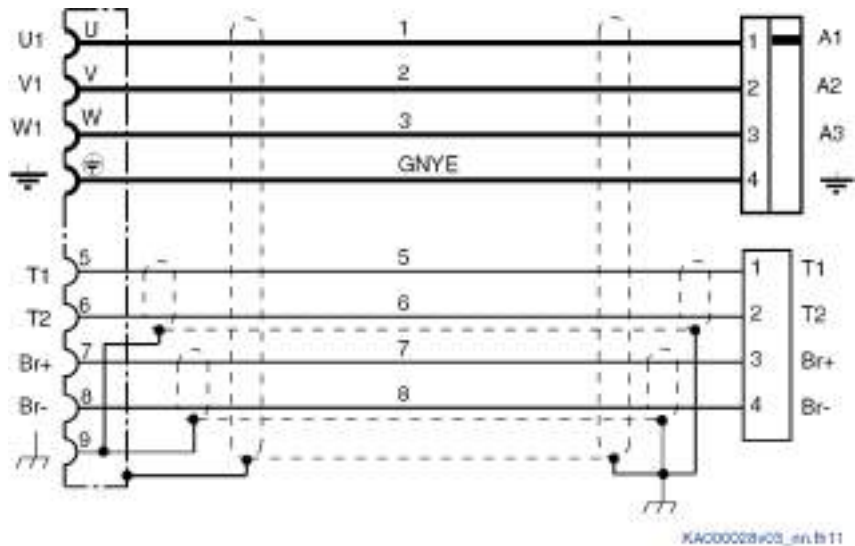
0.75 mm² wires 5, 6, 7, 8

Tab. 28-162: Interconnection diagram RKL4325

Connection Cables

RKL4326

Connection motor	Bulk cable	Connection controller
RLS1301/C03	INK0602	RLS0722/K03



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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-163: Interconnection diagram RKL4326

RKL4327

Connection motor

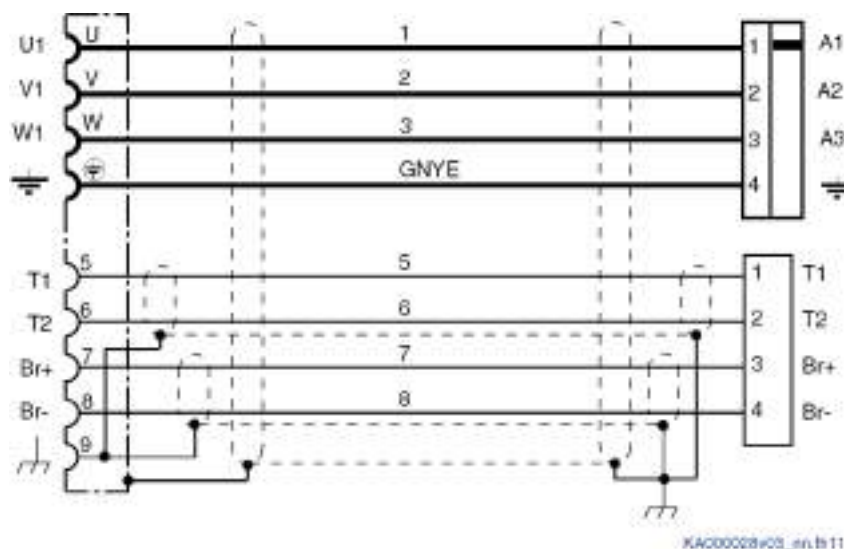
RLS1301/C06

Bulk cable

INK0603

Connection controller

RLS0722/K04



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4.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

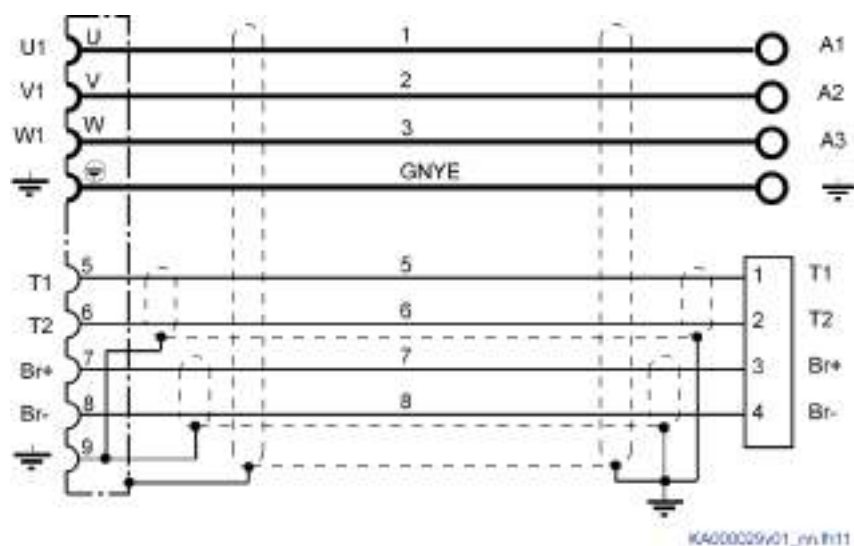
1.5 mm² wires 7, 8

Tab. 28-164: Interconnection diagram RKL4327

Connection Cables

RKL4328

Connection motor	Bulk cable	Connection controller
RLS1301/C06	INK0604	RLS0723/K06



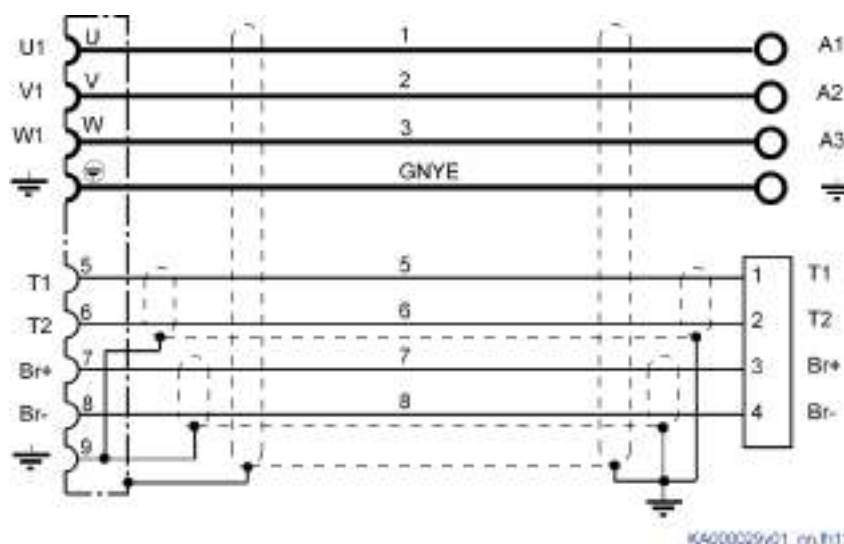
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6.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-165: Interconnection diagram RKL4328

RKL4329

Connection motor	Bulk cable	Connection controller
RLS1301/C10	INK0605	RLS0723/K10



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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

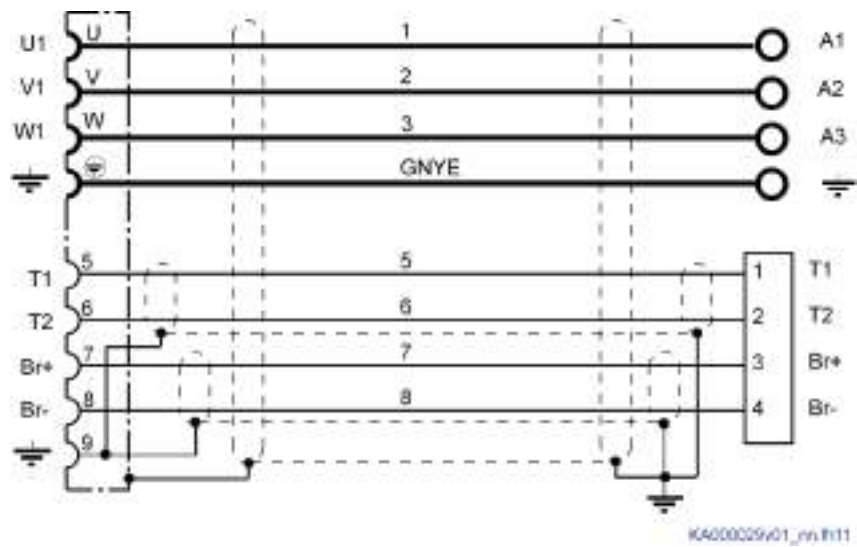
1.5 mm² wires 7, 8

Tab. 28-166: Interconnection diagram RKL4329

Connection Cables

RKL4330

Connection motor	Bulk cable	Connection controller
RLS1301/C16	INK0606	RLS0723/K16



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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-167: Interconnection diagram RKL4330

RKL4331

Connection motor

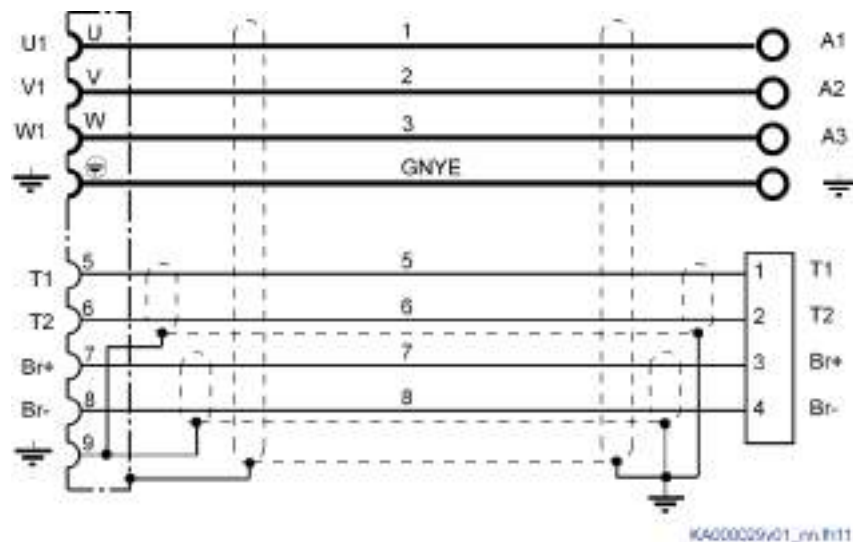
RLS1301/C25

Bulk cable

INK0607

Connection controller

RLS0723/K25



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25.0 mm² wires 1, 2, 3, GNYE

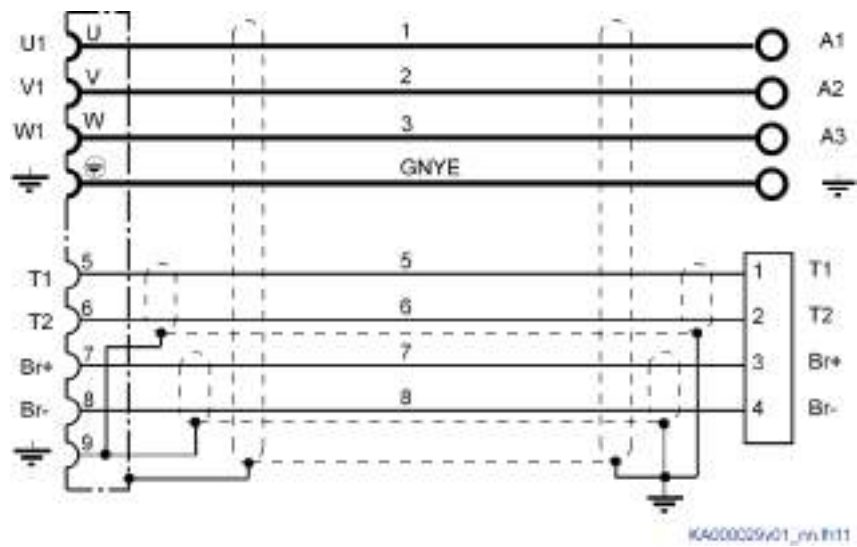
1.5 mm² wires 5, 6, 7, 8

Tab. 28-168: Interconnection diagram RKL4331

Connection Cables

RKL4332

Connection motor	Bulk cable	Connection controller
RLS1301/C35	INK0667	RLS0723/K35

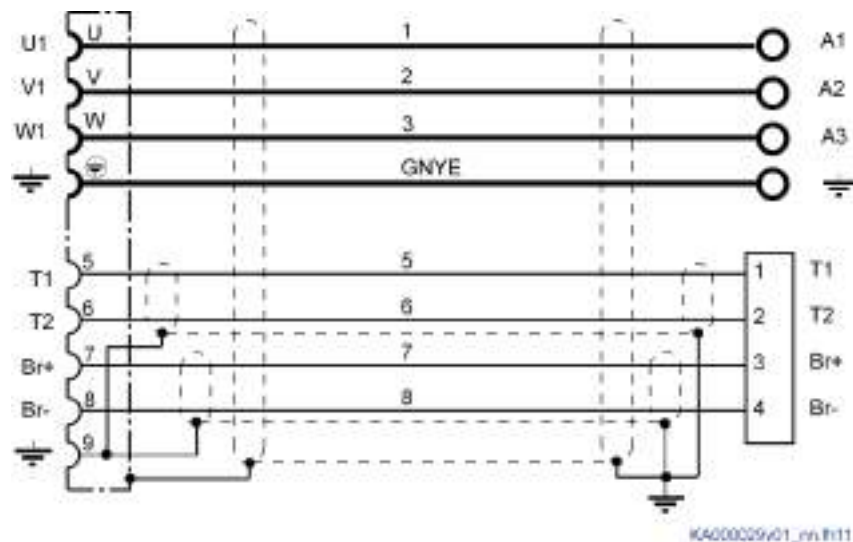


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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-169: Interconnection diagram RKL4332

RKL4333

Connection motor	Bulk cable	Connection controller
RLS1301/C25	INK0607	RLS0724/K25



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25.0 mm² wires 1, 2, 3, GNYE

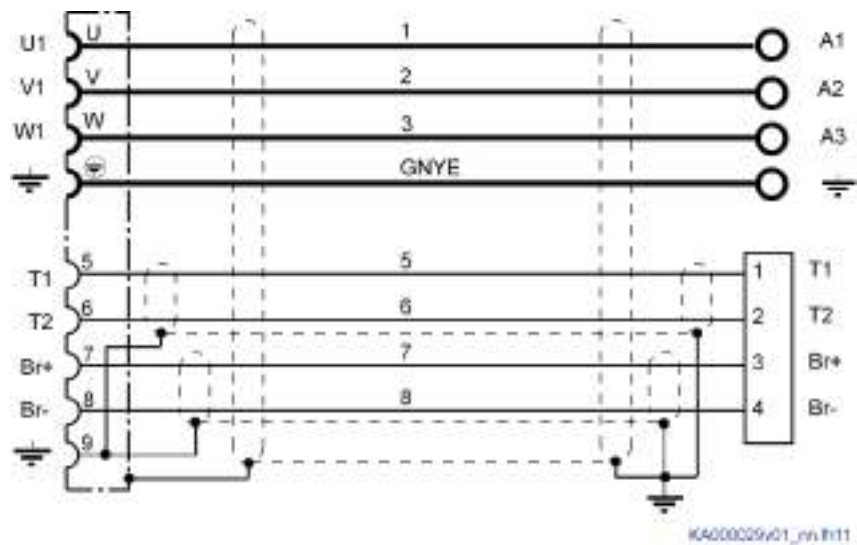
1.5 mm² wires 5, 6, 7, 8

Tab. 28-170: Interconnection diagram RKL4333

Connection Cables

RKL4334

Connection motor	Bulk cable	Connection controller
RLS1301/C35	INK0667	RLS0724/K35

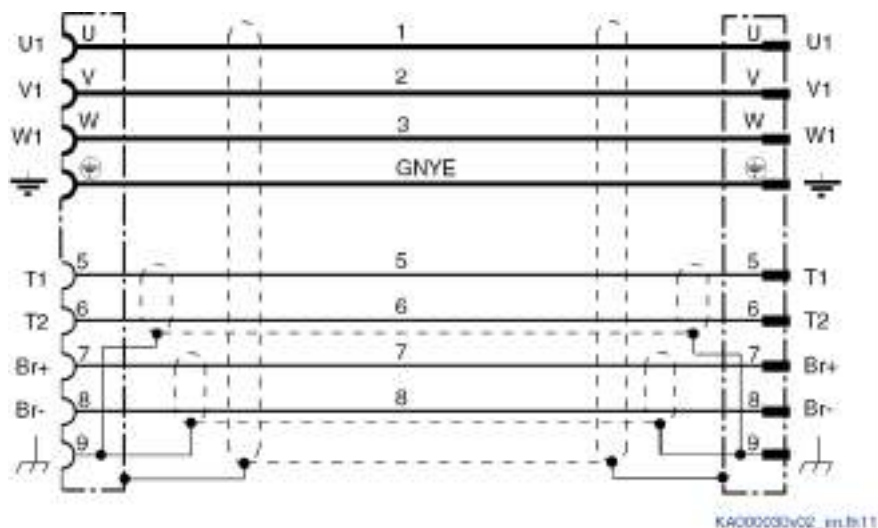


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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-171: Interconnection diagram RKL4334

RKL4335

Connection motor	Bulk cable	Connection plug connector
RLS1301/C03	INK0650	RLS1302/C03



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1.5 mm² wires 1, 2, 3, GNYE

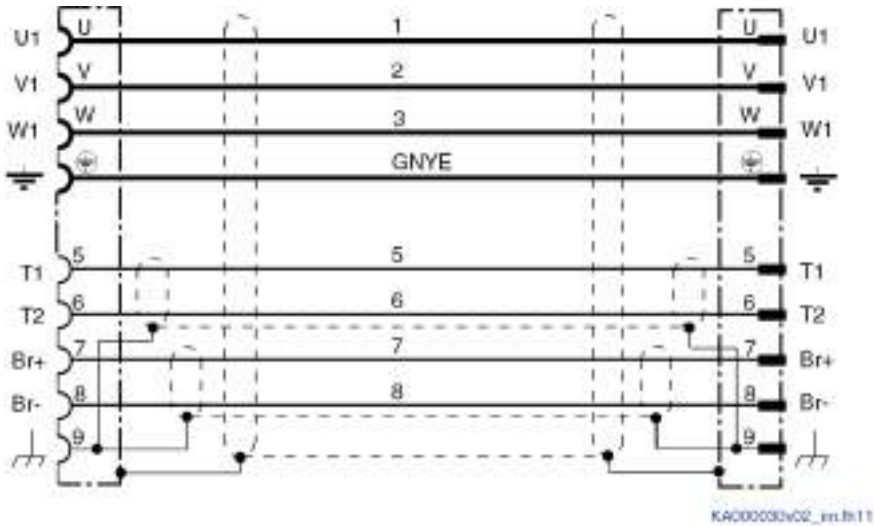
0.75 mm² wires 5, 6, 7, 8

Tab. 28-172: Interconnection diagram RKL4335

Connection Cables

RKL4336

Connection motor	Bulk cable	Connection plug connector
RLS1301/C03	INK0602	RLS1302/C03

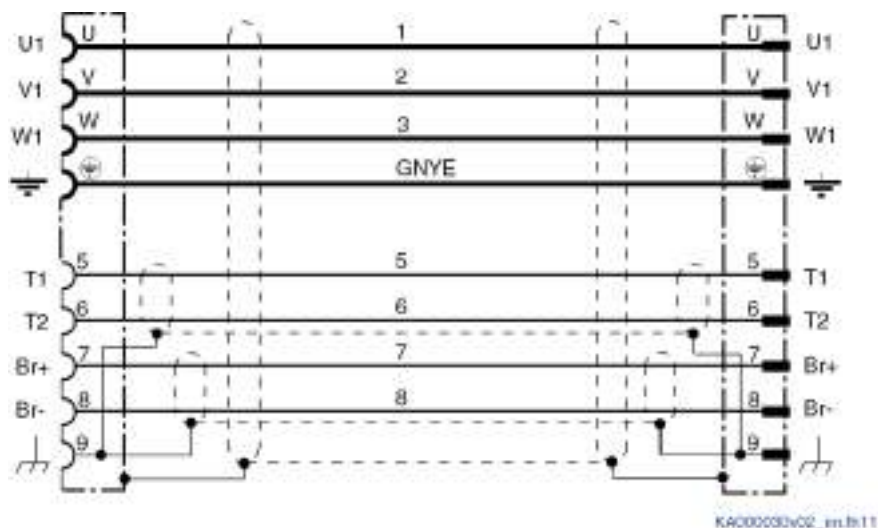


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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-173: Interconnection diagram RKL4336

RKL4337

Connection motor	Bulk cable	Connection plug connector
RLS1301/C06	INK0603	RLS1302/C06



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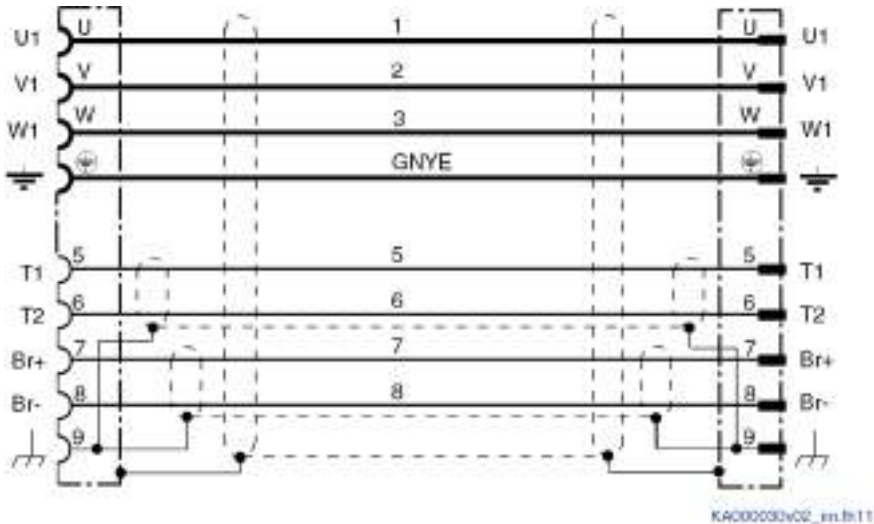
4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-174: Interconnection diagram RKL4337

Connection Cables

RKL4338

Connection motor	Bulk cable	Connection plug connector
RLS1301/C06	INK0604	RLS1302/C06

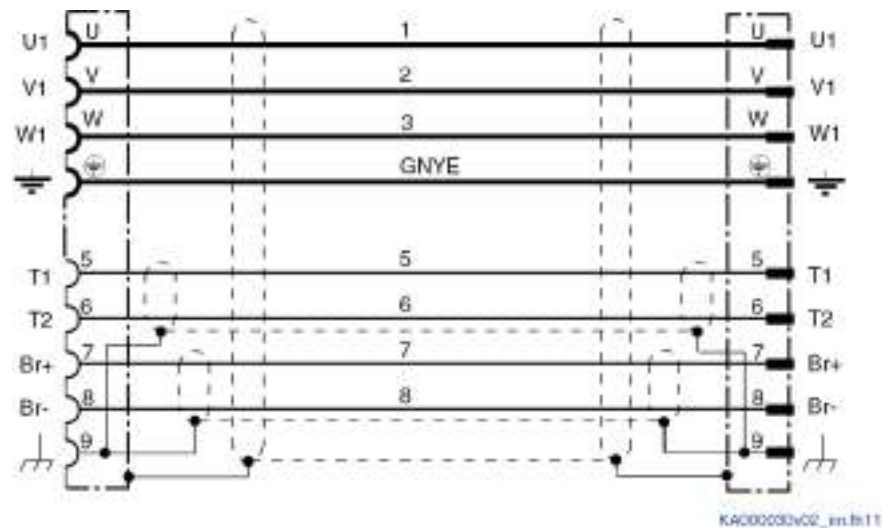


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6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-175: Interconnection diagram RKL4338

RKL4339

Connection motor	Bulk cable	Connection plug connector
RLS1301/C10	INK0605	RLS1302/C10



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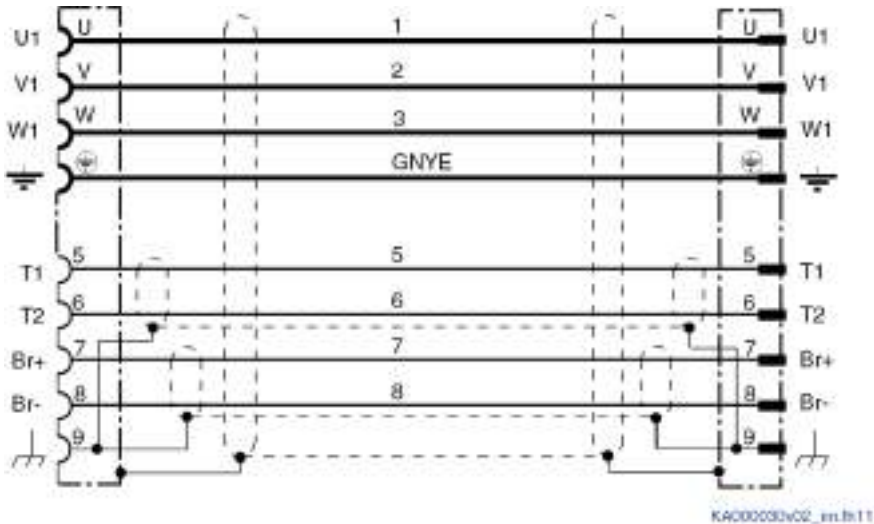
10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-176: Interconnection diagram RKL4339

Connection Cables

RKL4340

Connection motor	Bulk cable	Connection plug connector
RLS1301/C16	INK0606	RLS1302/C16

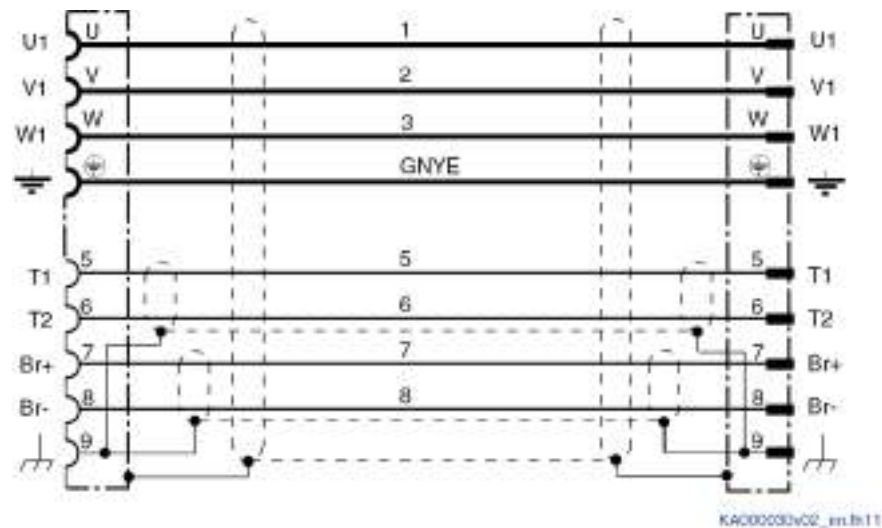


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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-177: Interconnection diagram RKL4340

RKL4341

Connection motor	Bulk cable	Connection plug connector
RLS1301/C25	INK0607	RLS1302/C25



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25.0 mm² wires 1, 2, 3, GNYE

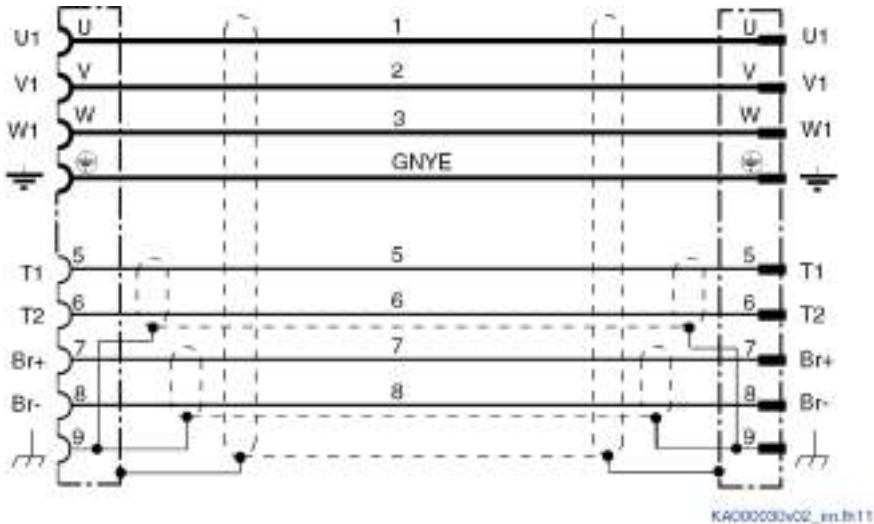
1.5 mm² wires 5, 6, 7, 8

Tab. 28-178: Interconnection diagram RKL4341

Connection Cables

RKL4342

Connection motor	Bulk cable	Connection plug connector
RLS1301/C35	INK0667	RLS1302/C35



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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-179: Interconnection diagram RKL4342

RKL4343

Connection motor

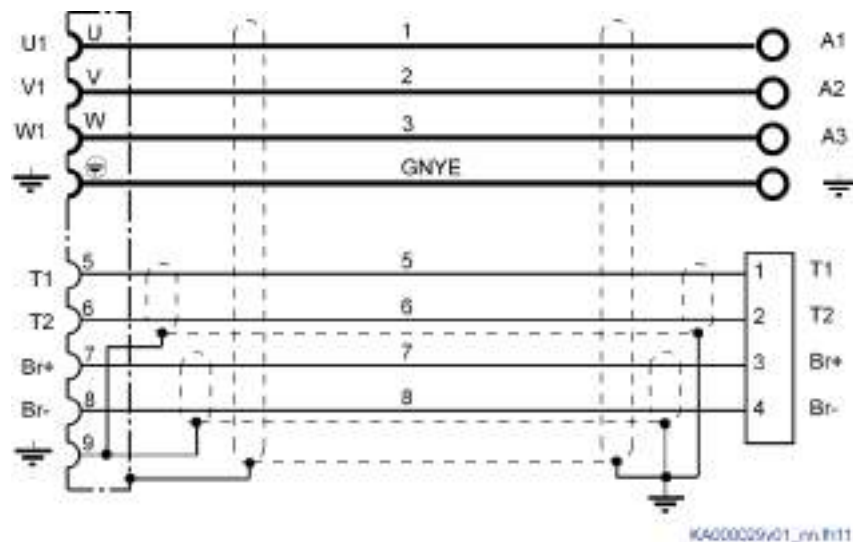
RLS1301/C03

Bulk cable

INK0602

Connection controller

RLS0723/K03



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2.5 mm² wires 1, 2, 3, GNYE

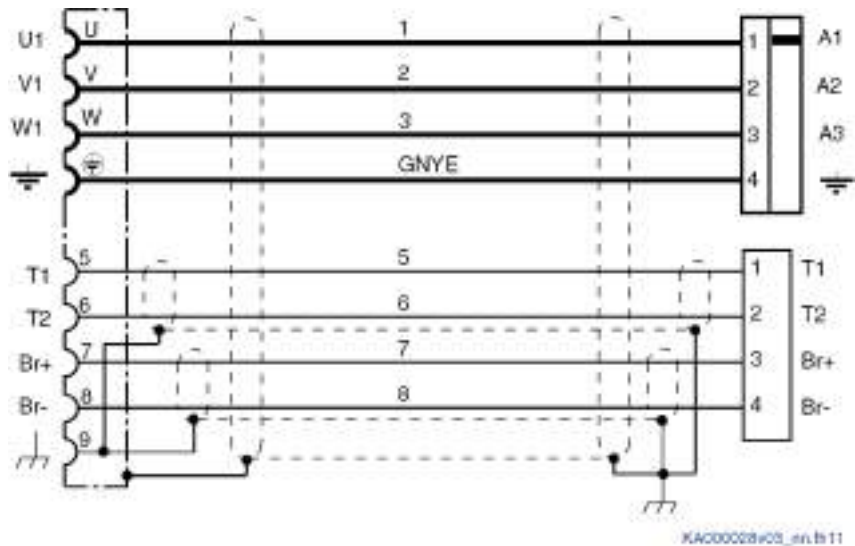
1.0 mm² wires 5, 6, 7, 8

Tab. 28-180: Interconnection diagram RKL4343

Connection Cables

RKL4344

Connection motor	Bulk cable	Connection controller
RLS1301/C16	INK0606	RLS0721/K16



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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-181: Interconnection diagram RKL4344

RKL4345

Connection motor

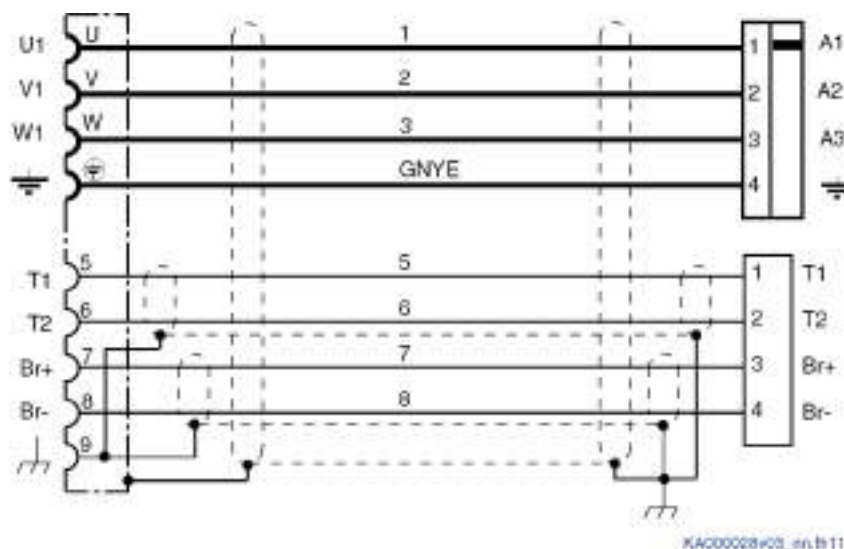
RLS1108/C03

Bulk cable

INK0602

Connection controller

RLS0722/K03



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2.5 mm²

wires 1, 2, 3, GNYE

1.0 mm²

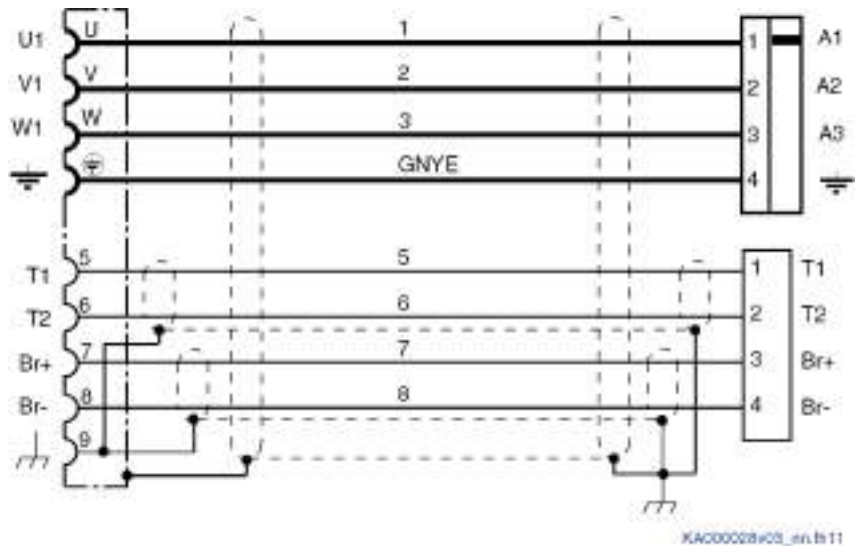
wires 5, 6, 7, 8

Tab. 28-182: Interconnection diagram RKL4345

Connection Cables

RKL4346

Connection motor	Bulk cable	Connection controller
RLS1108/C03	INK0602	RLS0721/K03

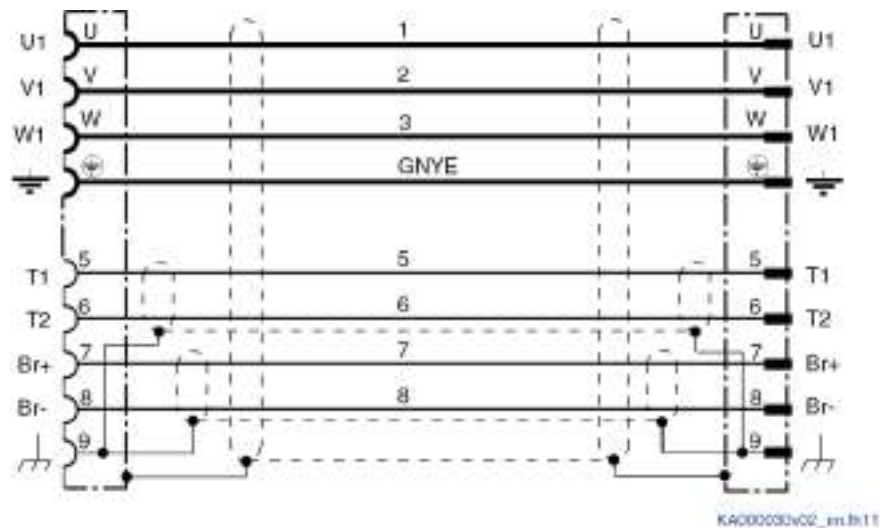


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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-183: Interconnection diagram RKL4346

RKL4347

Connection motor	Bulk cable	Connection plug connector
RLS1108/C03	INK0602	RLS1109/C03



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2.5 mm² wires 1, 2, 3, GNYE

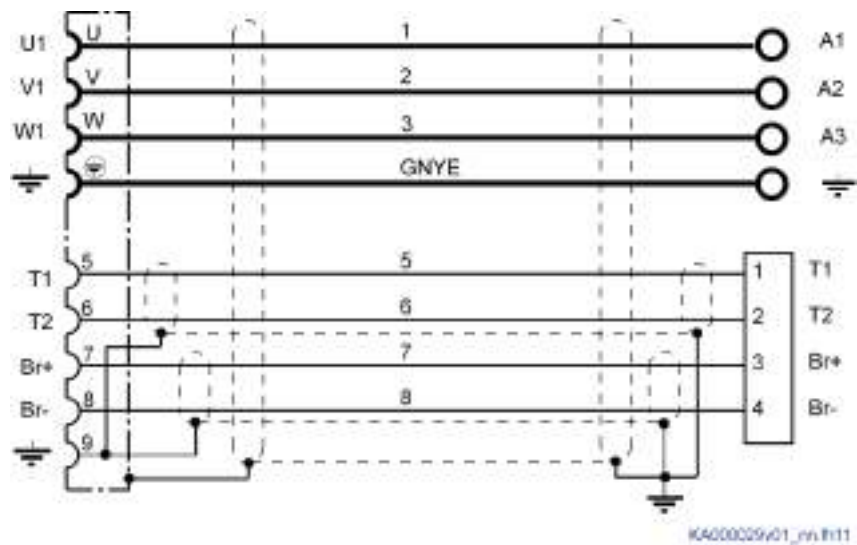
1.0 mm² wires 5, 6, 7, 8

Tab. 28-184: Interconnection diagram RKL4347

Connection Cables

RKL4349

Connection motor	Bulk cable	Connection controller
RLS1301/C16	INK0606	RLS0724/K16



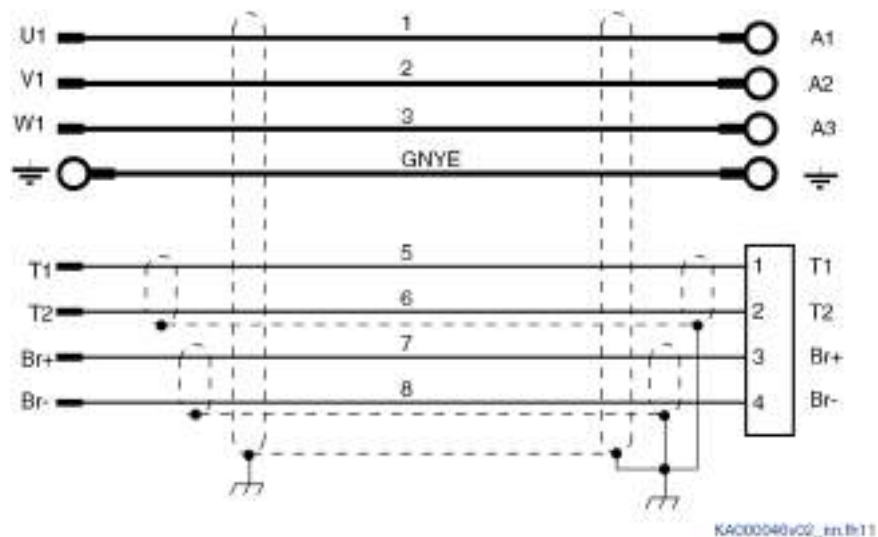
© Bosch Rexroth AG, 2013

16.0 mm² wires 1, 2, 3, GNYE
 1.5 mm² wires 5, 6, 7, 8
 Tab. 28-185: Interconnection diagram RKL4349

RKL44xx

RKL4439

Connection motor	Bulk cable	Connection controller
RLK0005	INK0607	RLS0724/K25



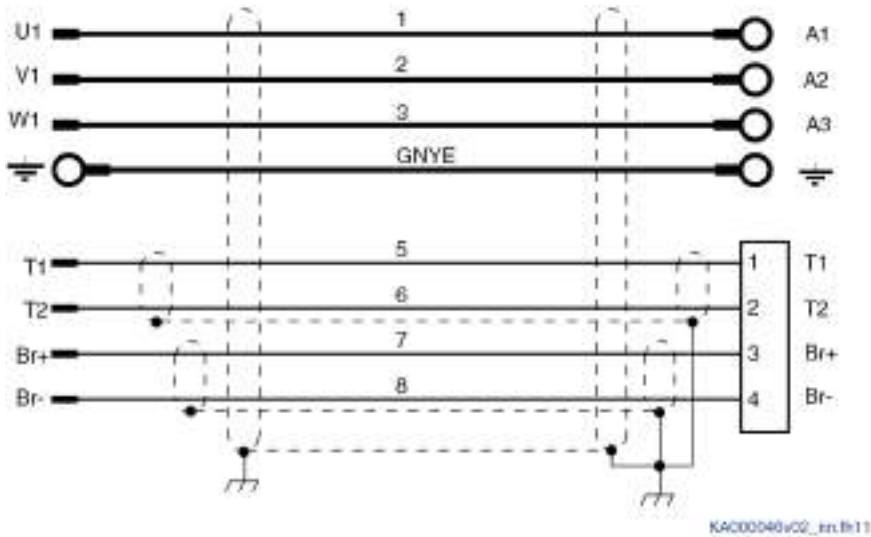
© Bosch Rexroth AG, 2013

25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-186: Parts RKL4439

Connection Cables

RKL4457

Connection motor	Bulk cable	Connection controller
RLK0006	INK0607	RLS0724/K25



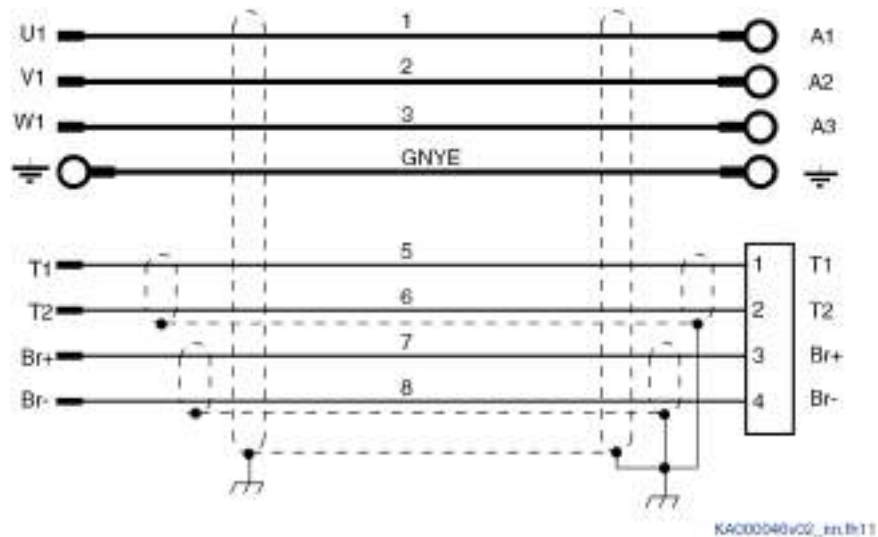
© Bosch Rexroth AG, 2013

25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-187: Parts RKL4457

Connection Cables

RKL4477

Connection motor	Bulk cable	Connection controller
RLK0006	INK0668	RLS0724/K50



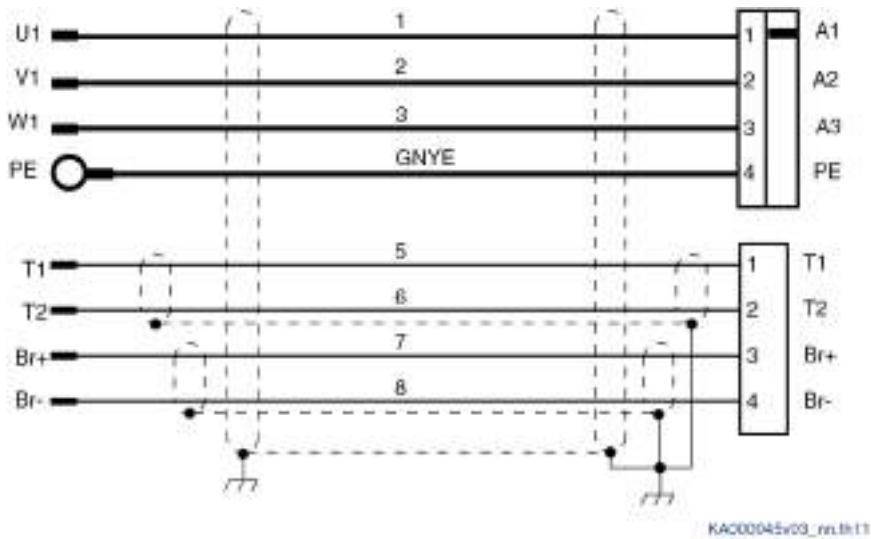
© Bosch Rexroth AG, 2013

50.0 mm² wires 1, 2, 3, GNYE
2.5 mm² wires 5, 6, 7, 8
Tab. 28-188: Parts RKL4477

Connection Cables

RKL4481

Connection motor	Bulk cable	Connection controller
RLK0003	INK0602	RLS0722/K03



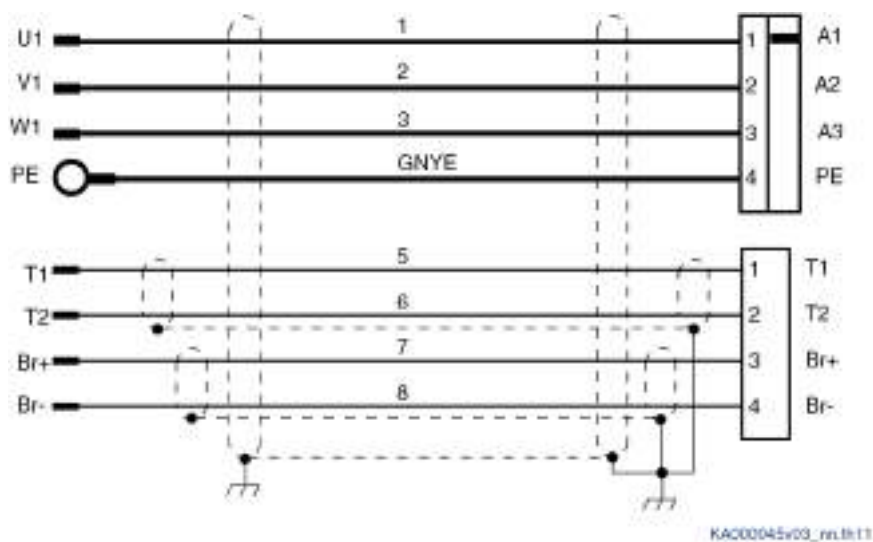
© Bosch Rexroth AG, 2013

2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-189: Parts RKL4481

Connection Cables

RKL4482

Connection motor	Bulk cable	Connection controller
RLK0003	INK0603	RLS0721/K04



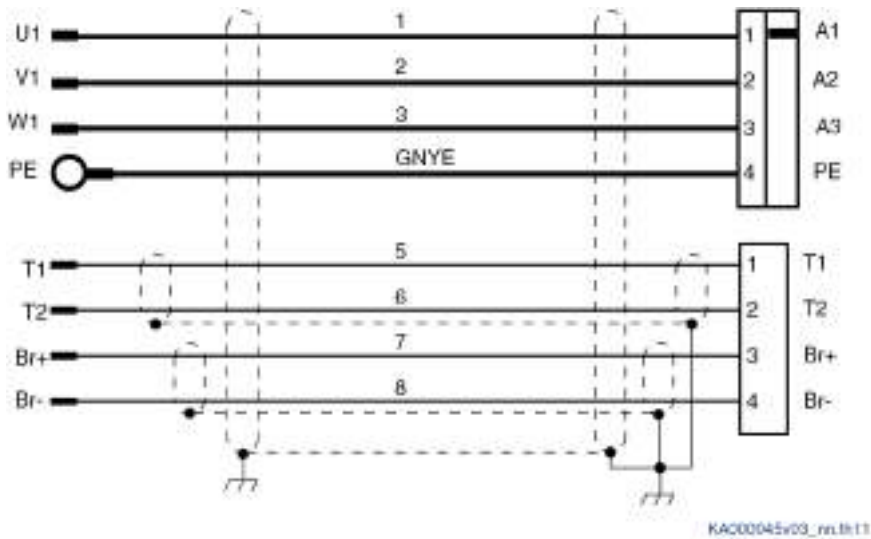
© Bosch Rexroth AG, 2013

4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-190: Parts RKL4482

Connection Cables

RKL4483

Connection motor	Bulk cable	Connection controller
RLK0003	INK0604	RLS0721/K06



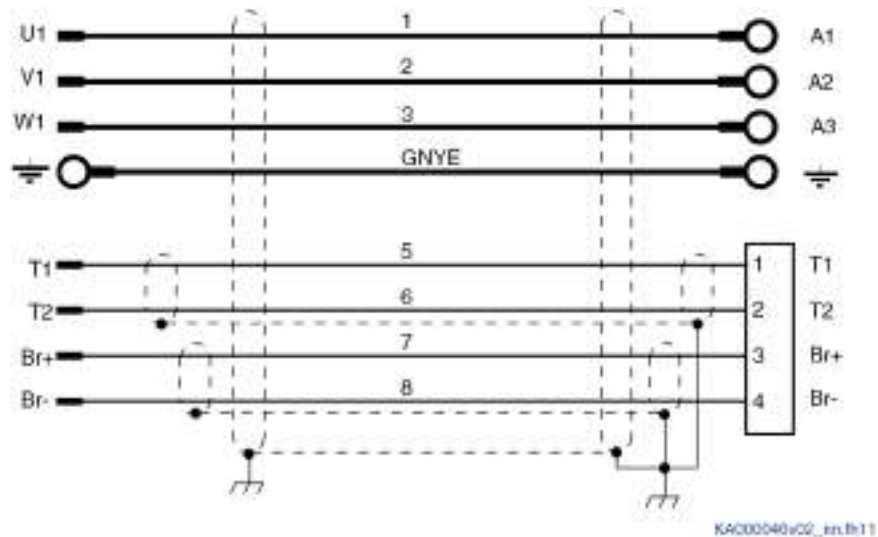
© Bosch Rexroth AG, 2013

6.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8
Tab. 28-191:	Parts RKL4483

Connection Cables

RKL4484

Connection motor	Bulk cable	Connection controller
RLK0003	INK0605	RLS0723/K10



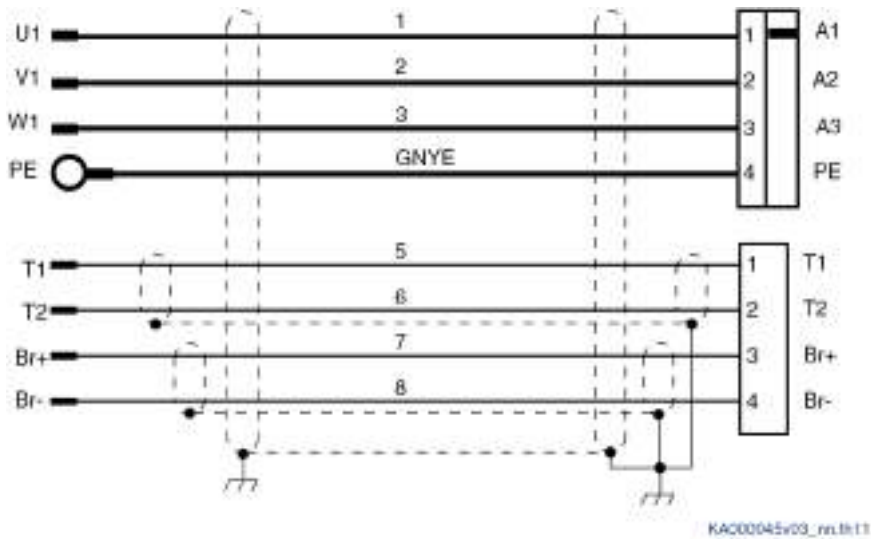
© Bosch Rexroth AG, 2013

10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-192: Parts RKL4484

Connection Cables

RKL4485

Connection motor	Bulk cable	Connection controller
RLK0004	INK0602	RLS0722/K03



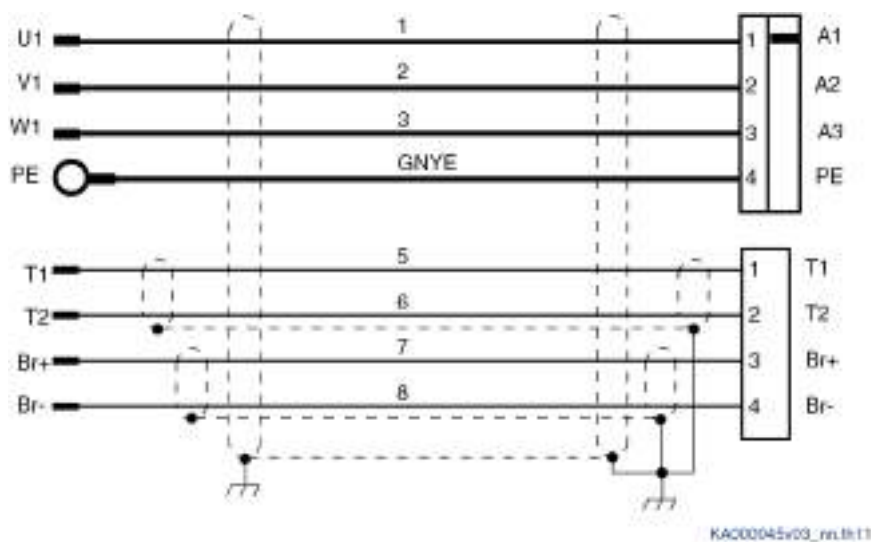
© Bosch Rexroth AG, 2013

2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-193: Parts RKL4485

Connection Cables

RKL4486

Connection motor	Bulk cable	Connection controller
RLK0004	INK0603	RLS0722/K04



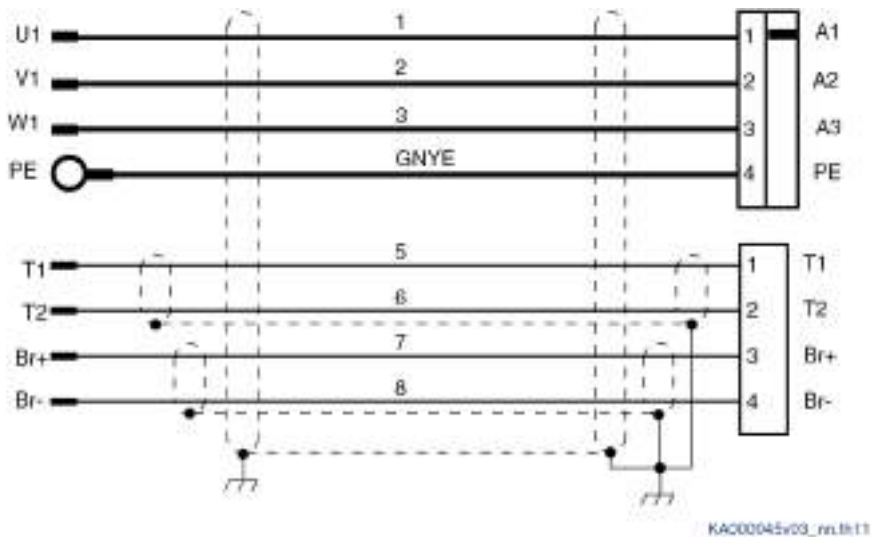
© Bosch Rexroth AG, 2013

4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-194: Parts RKL4486

Connection Cables

RKL4487

Connection motor	Bulk cable	Connection controller
RLK0004	INK0604	RLS0721/K06



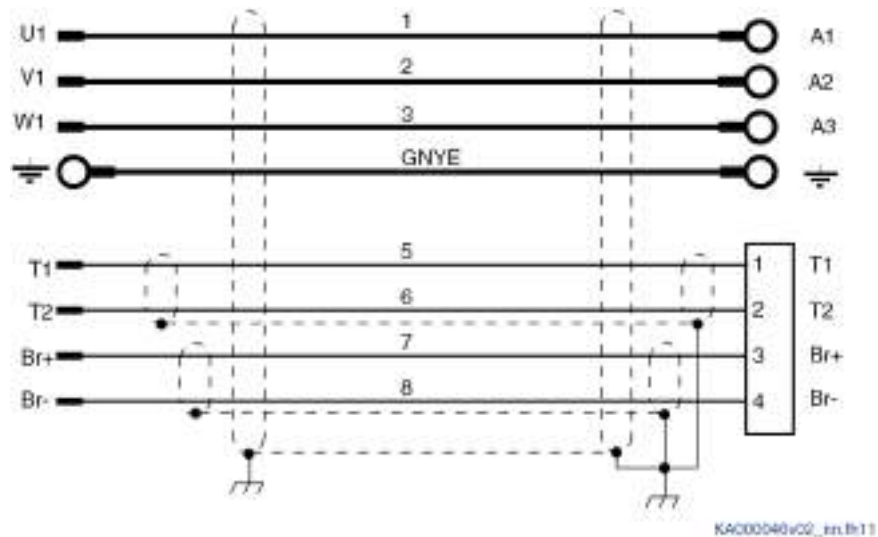
© Bosch Rexroth AG, 2013

6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-195: Parts RKL4487

Connection Cables

RKL4488

Connection motor	Bulk cable	Connection controller
RLK0004	INK0605	RLS0723/K10



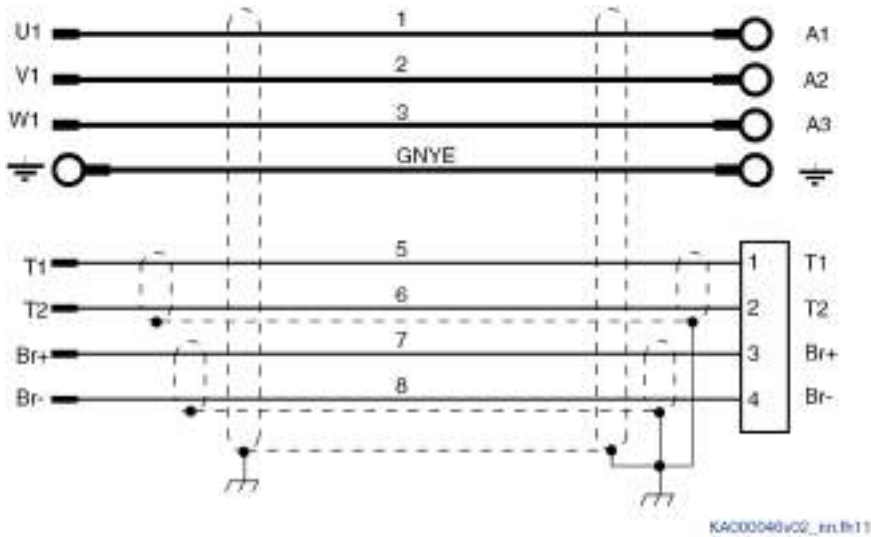
© Bosch Rexroth AG, 2013

10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-196: Parts RKL4488

Connection Cables

RKL4489

Connection motor	Bulk cable	Connection controller
RLK0004	INK0606	RLS0723/K16



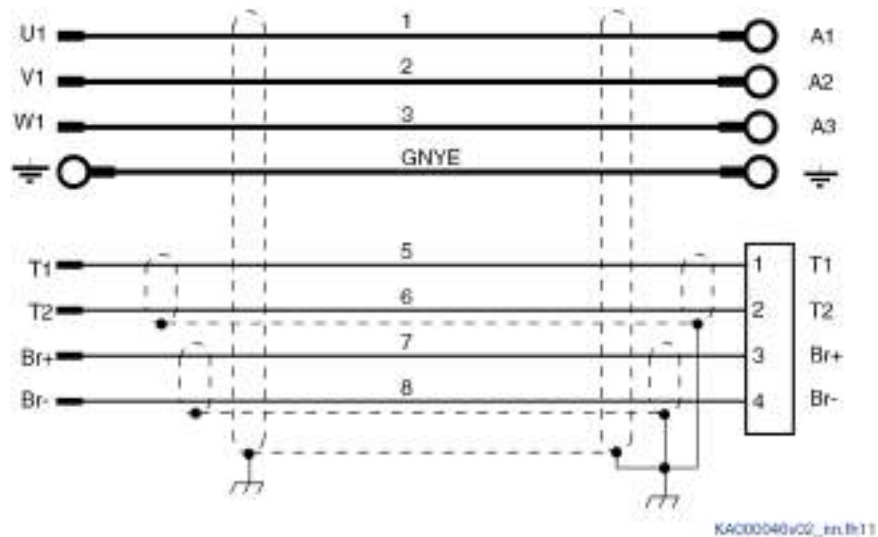
© Bosch Rexroth AG, 2013

16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-197: Parts RKL4489

Connection Cables

RKL4490

Connection motor	Bulk cable	Connection controller
RLK0005	INK0607	RLS0723/K25



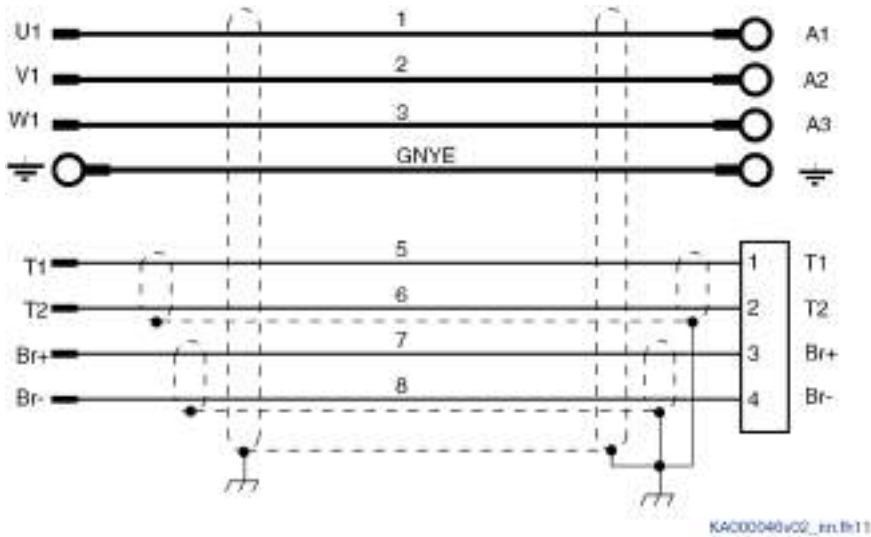
© Bosch Rexroth AG, 2013

25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-198: Parts RKL4490

Connection Cables

RKL4491

Connection motor	Bulk cable	Connection controller
RLK0005	INK0667	RLS0723/K35



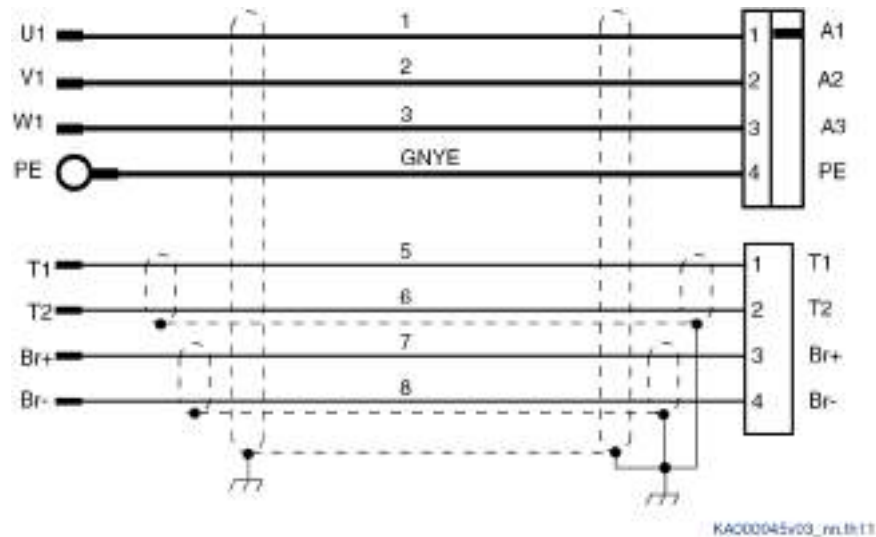
© Bosch Rexroth AG, 2013

35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-199: Parts RKL4491

Connection Cables

RKL4492

Connection motor	Bulk cable	Connection controller
RLK0005	INK0603	RLS0721/K04



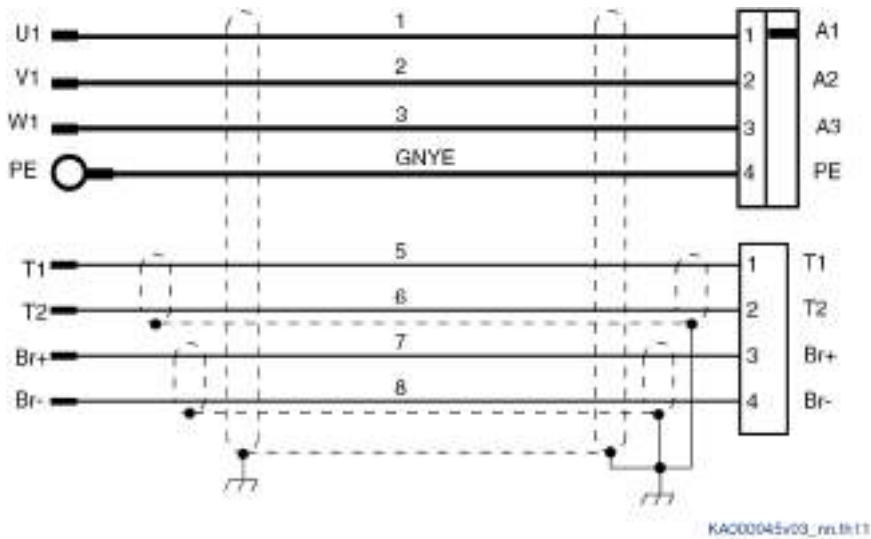
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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-200: Parts RKL4492

Connection Cables

RKL4493

Connection motor	Bulk cable	Connection controller
RLK0005	INK0604	RLS0721/K06



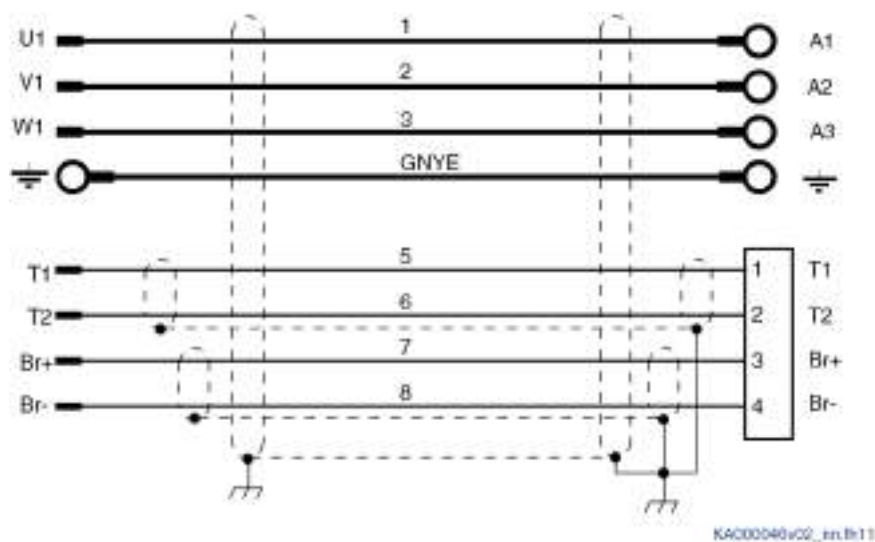
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6.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8
Tab. 28-201: Parts RKL4493	

Connection Cables

RKL4494

Connection motor	Bulk cable	Connection controller
RLK0005	INK0605	RLS0723/K10



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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

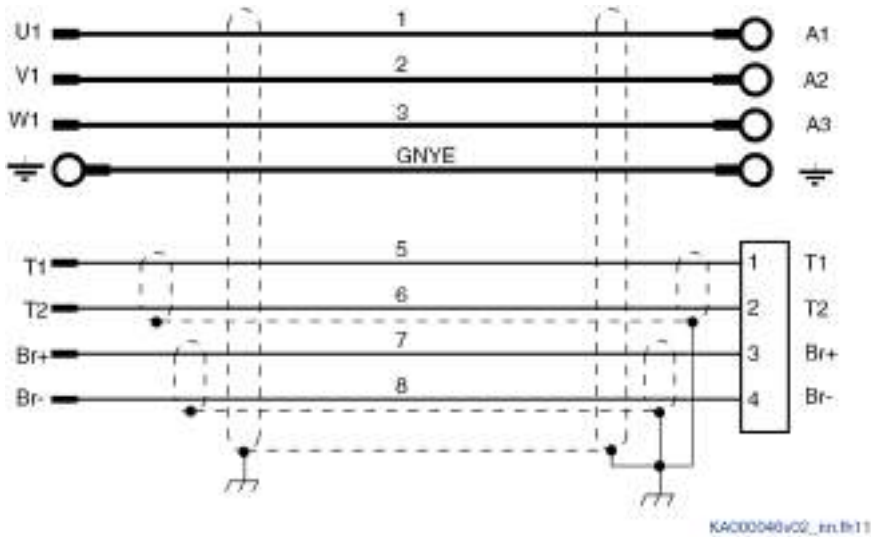
1.5 mm² wires 7, 8

Tab. 28-202: Parts RKL4494

Connection Cables

RKL4495

Connection motor	Bulk cable	Connection controller
RLK0005	INK0606	RLS0723/K16

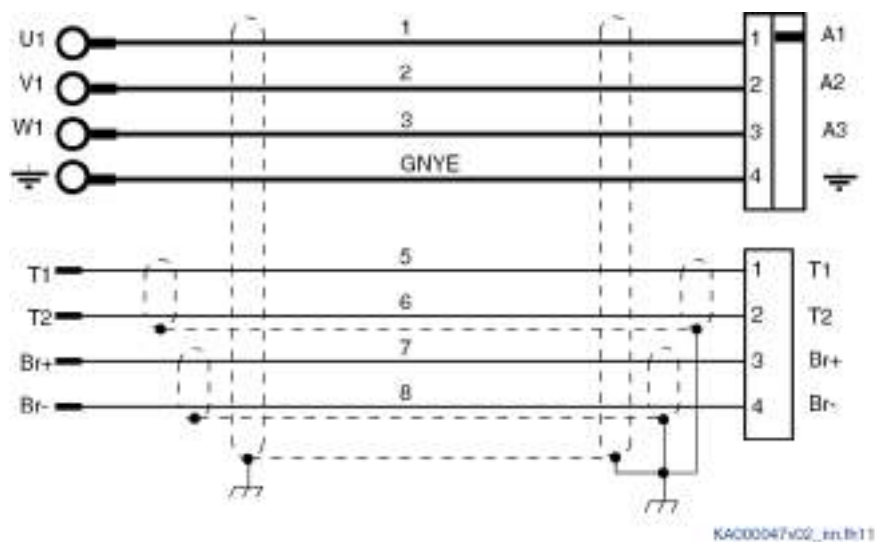


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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-203: Parts RKL4495

RKL4496

Connection motor	Bulk cable	Connection controller
RLK0006	INK0605	RLS0721/K10



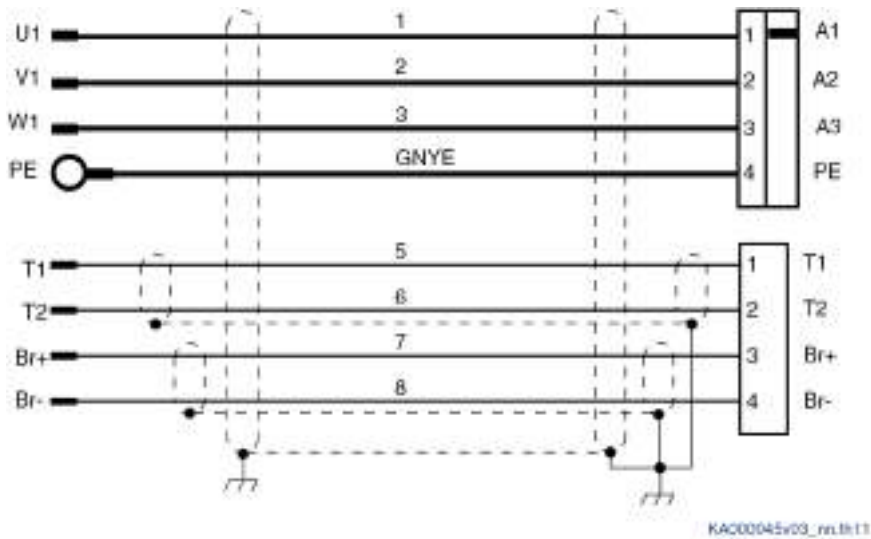
© Bosch Rexroth AG, 2013

10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-204: Parts RKL4496

Connection Cables

RKL4497

Connection motor	Bulk cable	Connection controller
RLK0003	INK0602	RLS0721/K03



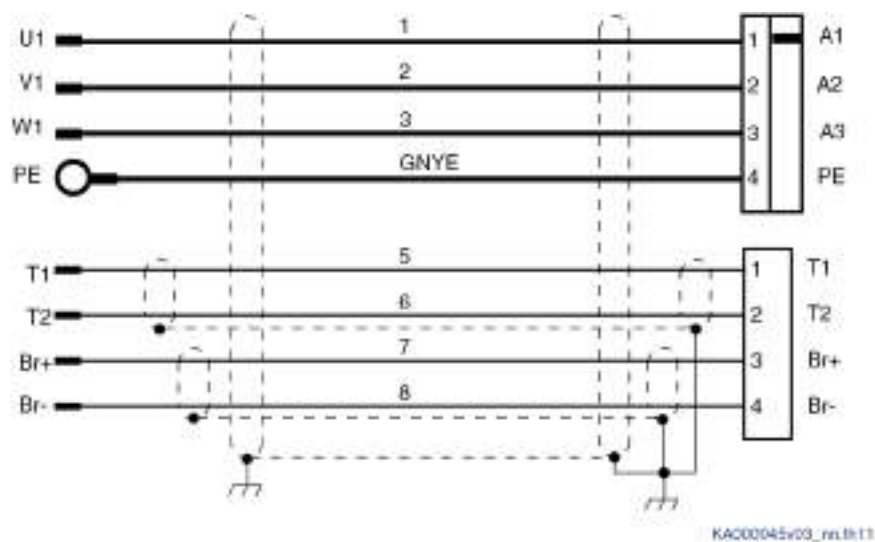
© Bosch Rexroth AG, 2013

2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-205: Parts RKL4497

Connection Cables

RKL4498

Connection motor	Bulk cable	Connection controller
RLK0004	INK0602	RLS0721/K03



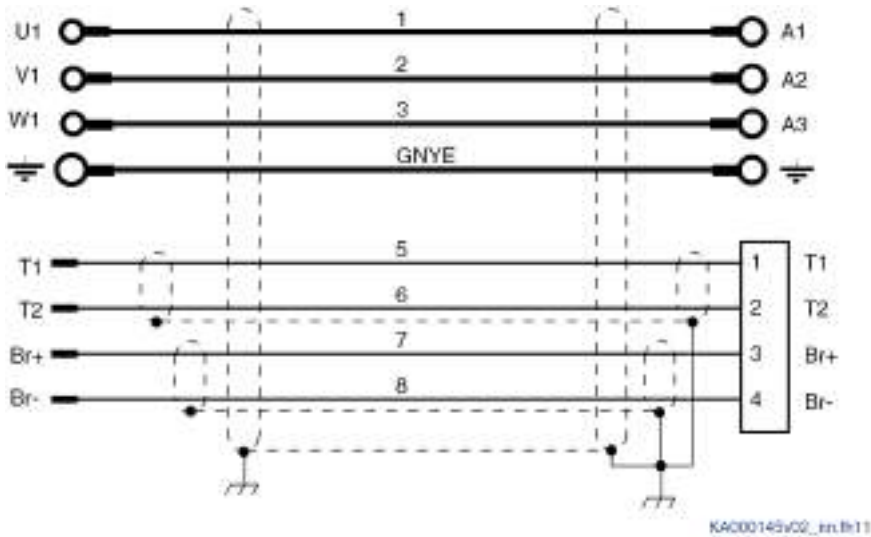
© Bosch Rexroth AG, 2013

2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-206: Parts RKL4498

Connection Cables

RKL4499

Connection motor	Bulk cable	Connection controller
RLK0006	INK0667	RLS0724/K35



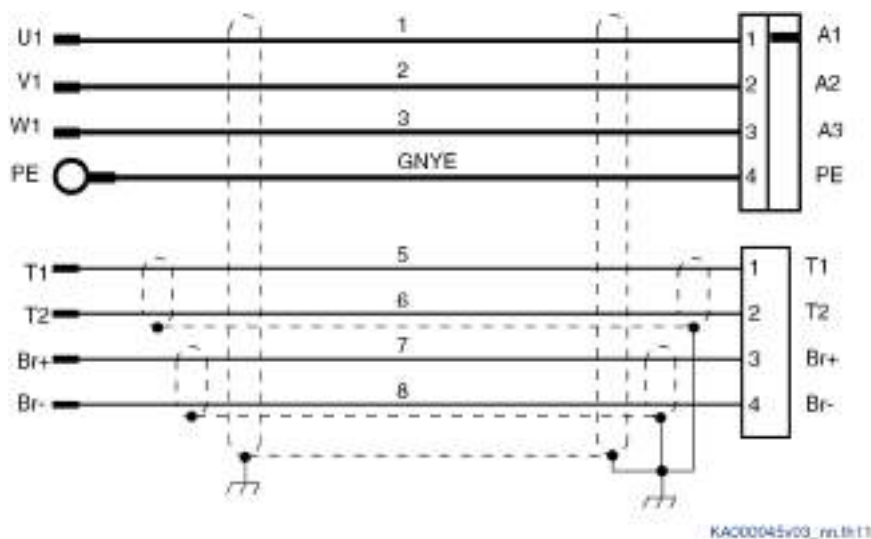
© Bosch Rexroth AG, 2013

35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-207: Parts RKL4499

RKL45xx

RKL4502

Connection motor	Bulk cable	Connection controller
RLK0003	INK0603	RLS0722/K04



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4.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

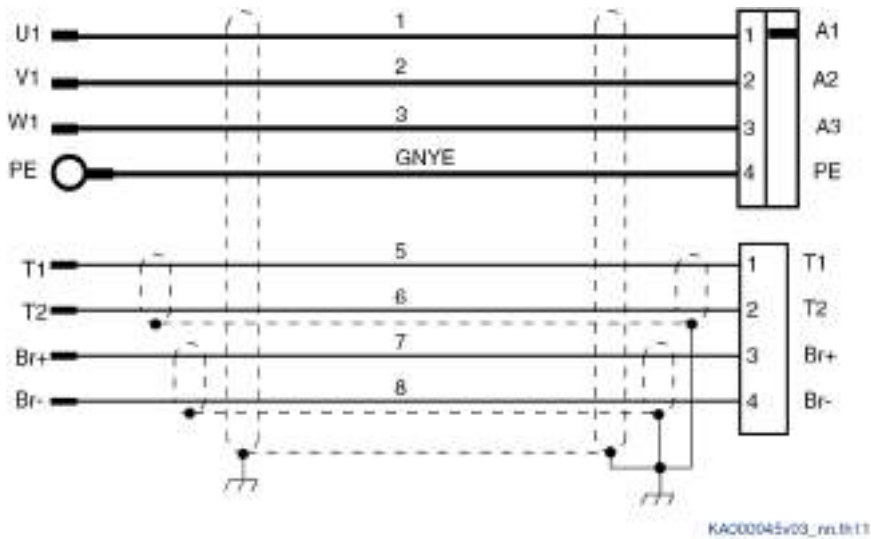
1.5 mm² wires 7, 8

Tab. 28-208: Parts RKL4502

Connection Cables

RKL4504

Connection motor	Bulk cable	Connection controller
RLK0003	INK0605	RLS0721/K10



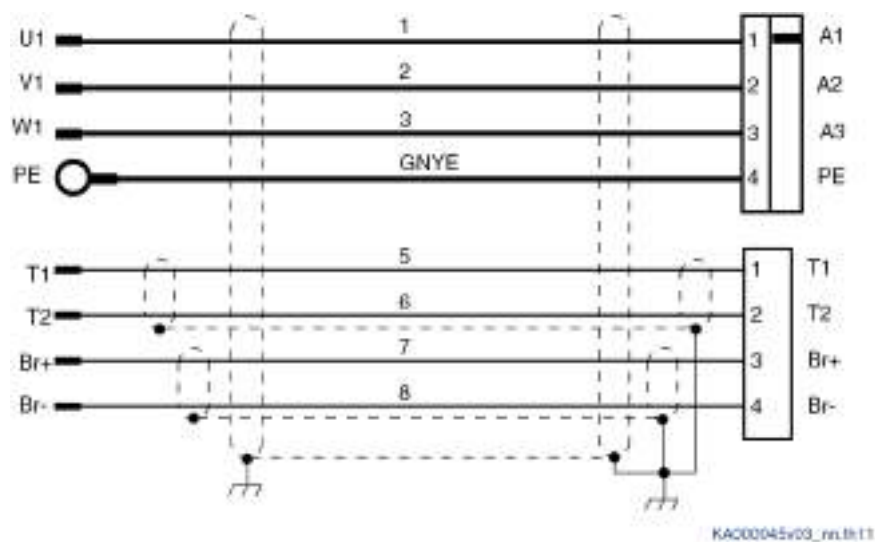
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10.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8
Tab. 28-209:	Parts RKL4504

Connection Cables

RKL4506

Connection motor	Bulk cable	Connection controller
RLK0004	INK0603	RLS0722/K04



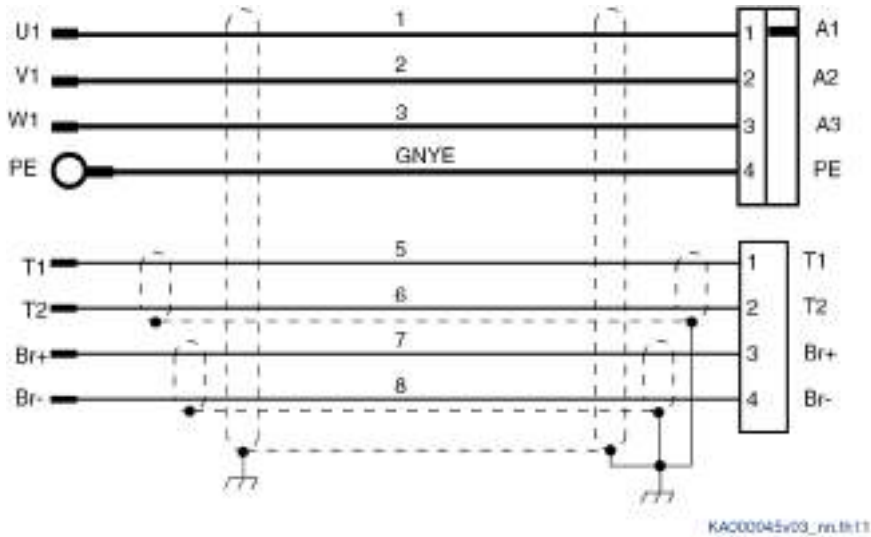
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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-210: Parts RKL4506

Connection Cables

RKL4508

Connection motor	Bulk cable	Connection controller
RLK0004	INK0605	RLS0721/K10



KAC00045v03_rn1h11

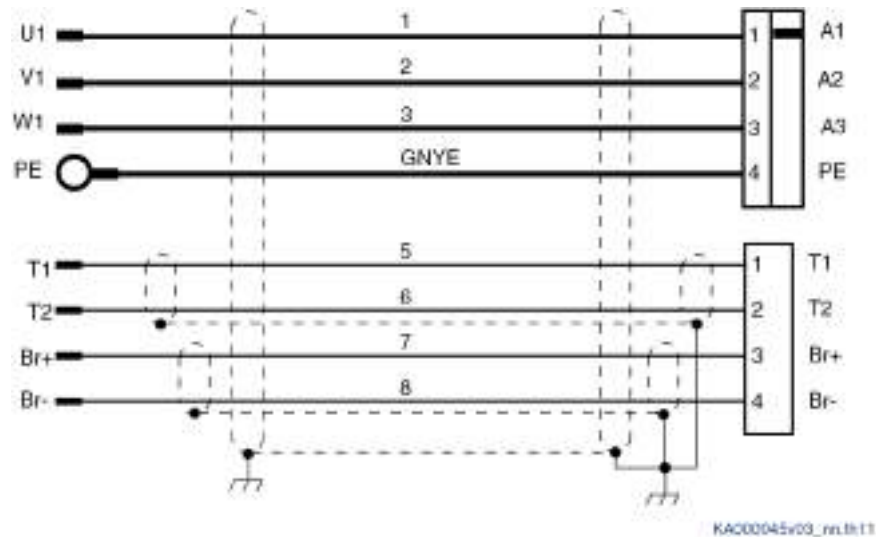
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10.0 mm²	wires 1, 2, 3, GNYE
1.0 mm²	wires 5, 6
1.5 mm²	wires 7, 8
Tab. 28-211:	Parts RKL4508

Connection Cables

RKL4510

Connection motor	Bulk cable	Connection controller
RLK0005	INK0602	RLS0722/K03



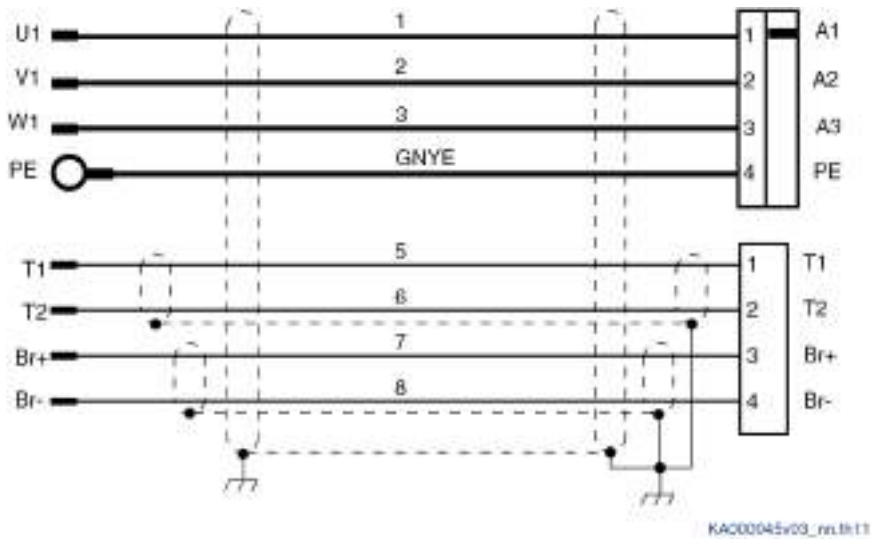
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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-212: Parts RKL4510

Connection Cables

RKL4511

Connection motor	Bulk cable	Connection controller
RLK0005	INK0602	RLS0721/K03



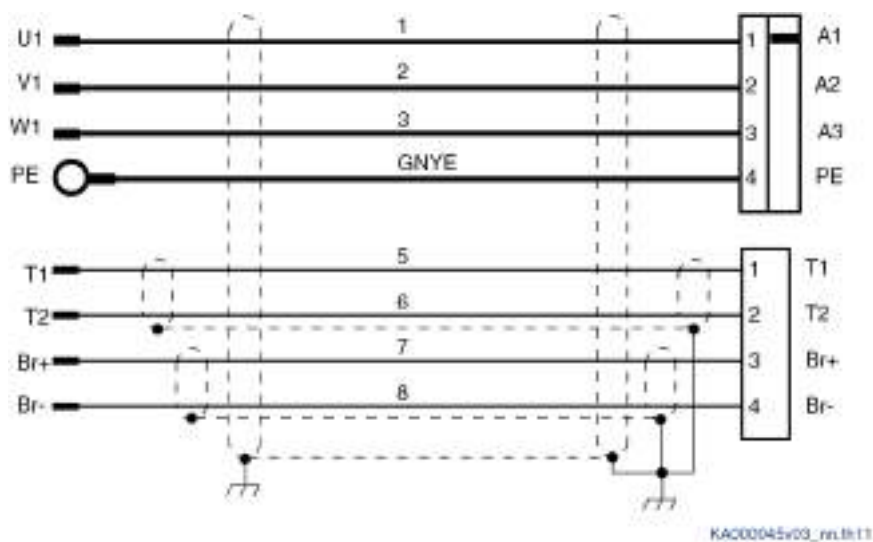
© Bosch Rexroth AG, 2013

2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-213: Parts RKL4511

Connection Cables

RKL4512

Connection motor	Bulk cable	Connection controller
RLK0005	INK0603	RLS0722/K04



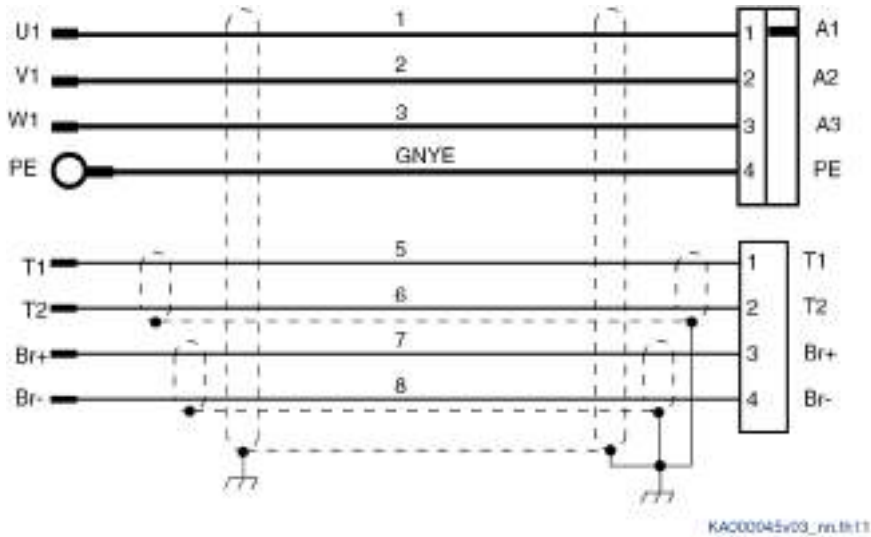
© Bosch Rexroth AG, 2013

4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-214: Parts RKL4512

Connection Cables

RKL4514

Connection motor	Bulk cable	Connection controller
RLK0005	INK0605	RLS0721/K10



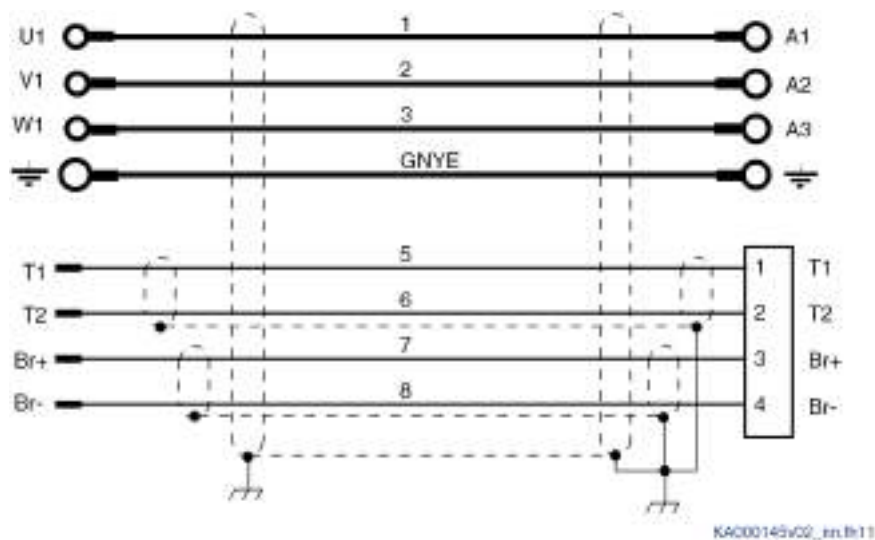
© Bosch Rexroth AG, 2013

10.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8
Tab. 28-215:	Parts RKL4514

Connection Cables

RKL4516

Connection motor	Bulk cable	Connection controller
RLK0006	INK0605	RLS0723/K10



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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

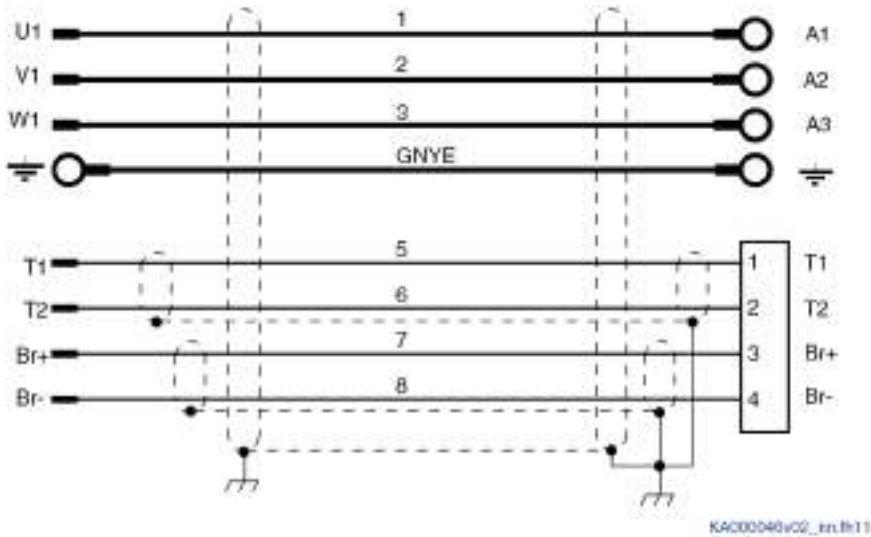
1.5 mm² wires 7, 8

Tab. 28-216: Parts RKL4516

Connection Cables

RKL4517

Connection motor	Bulk cable	Connection controller
RLK0006	INK0668	RLS0723/K50



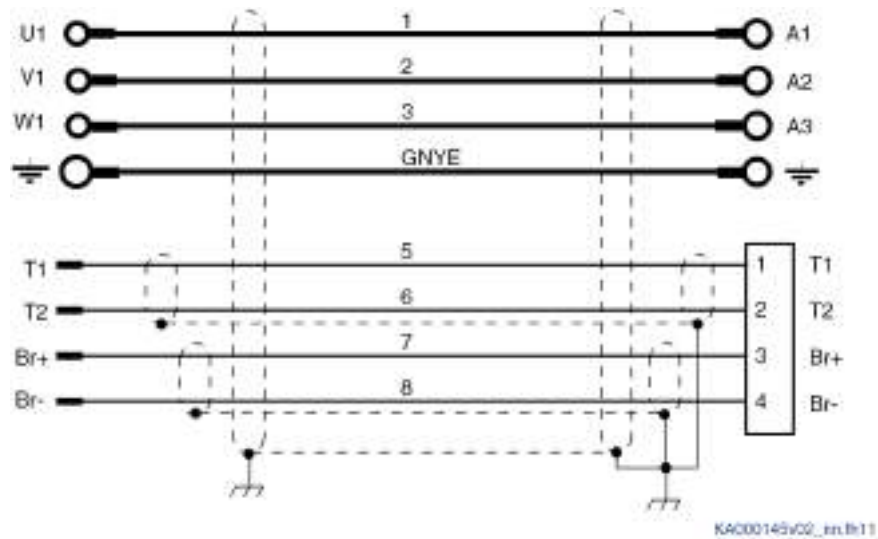
© Bosch Rexroth AG, 2013

50.0 mm² wires 1, 2, 3, GNYE
2.5 mm² wires 5, 6, 7, 8
Tab. 28-217: Parts RKL4517

Connection Cables

RKL4518

Connection motor	Bulk cable	Connection controller
RLK0006	INK0607	RLS0723/K25



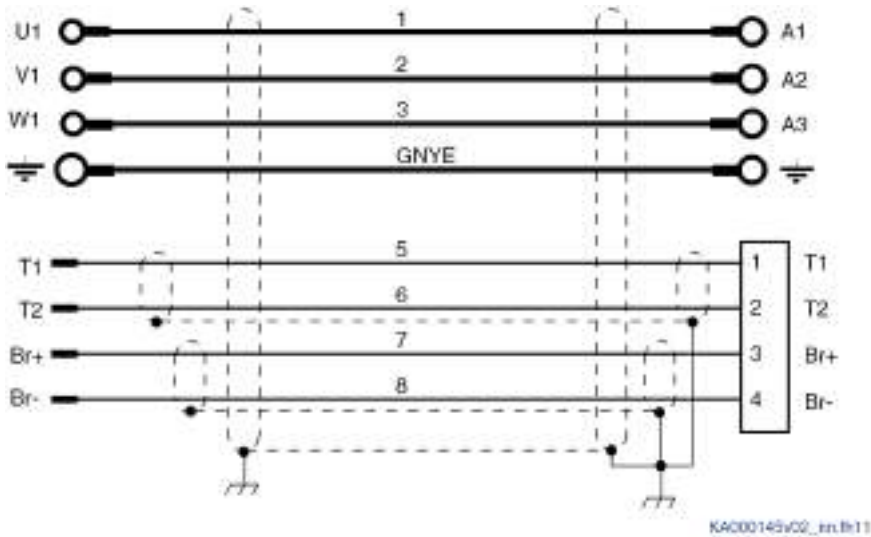
© Bosch Rexroth AG, 2013

25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-218: Parts RKL4518

Connection Cables

RKL4519

Connection motor	Bulk cable	Connection controller
RLK0006	INK0667	RLS0723/K35



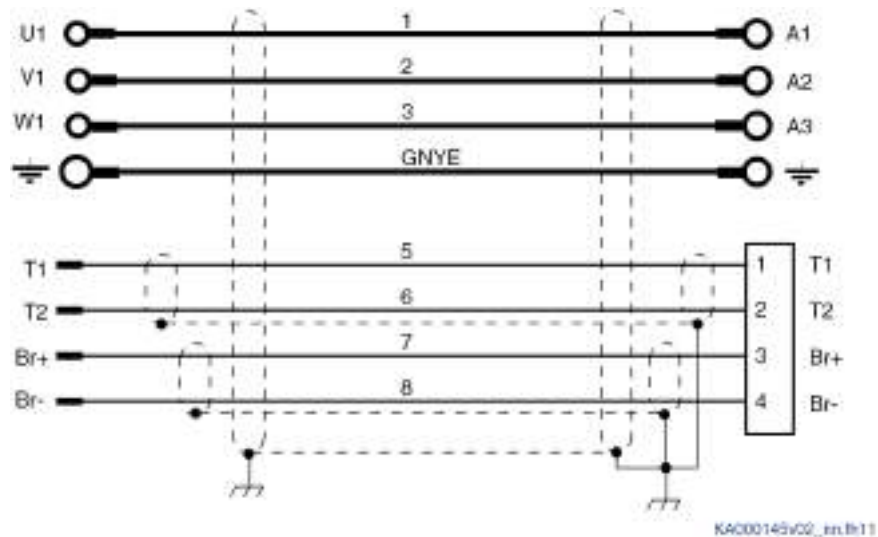
© Bosch Rexroth AG, 2013

35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-219: Parts RKL4519

Connection Cables

RKL4520

Connection motor	Bulk cable	Connection controller
RLK0006	INK0606	RLS0723/K16



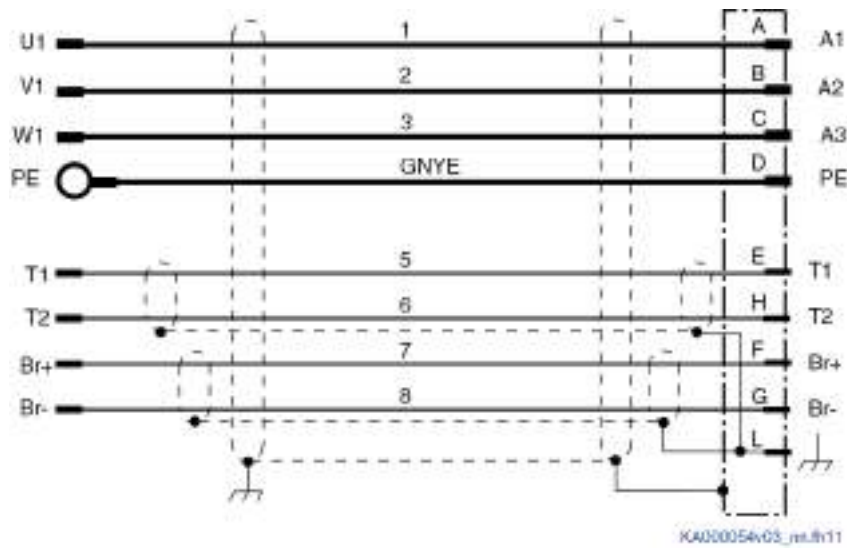
© Bosch Rexroth AG, 2013

16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-220: Parts RKL4520

Connection Cables

RKL4521

Connection motor	Bulk cable	Connection plug connector
RLK0003	INK0602	INS0482/C03

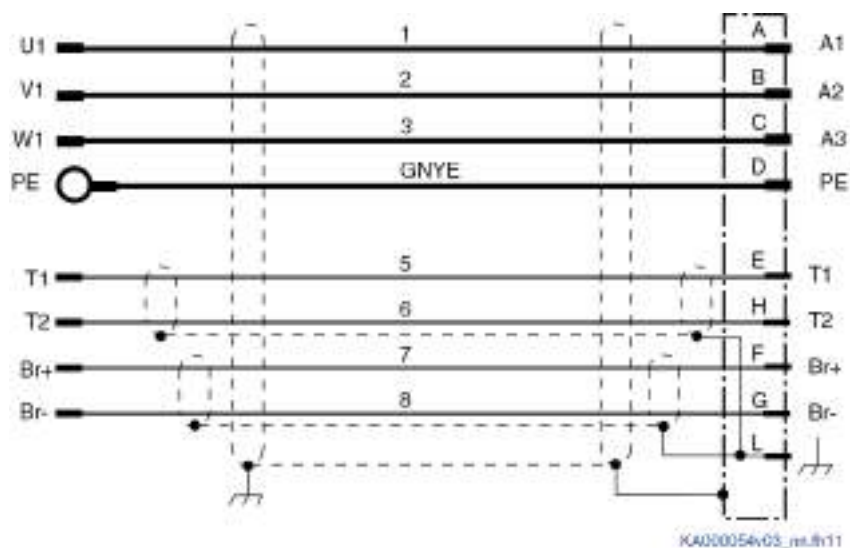


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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-221: Parts RKL4521

RKL4522

Connection motor	Bulk cable	Connection plug connector
RLK0003	INK0603	INS0482/C04



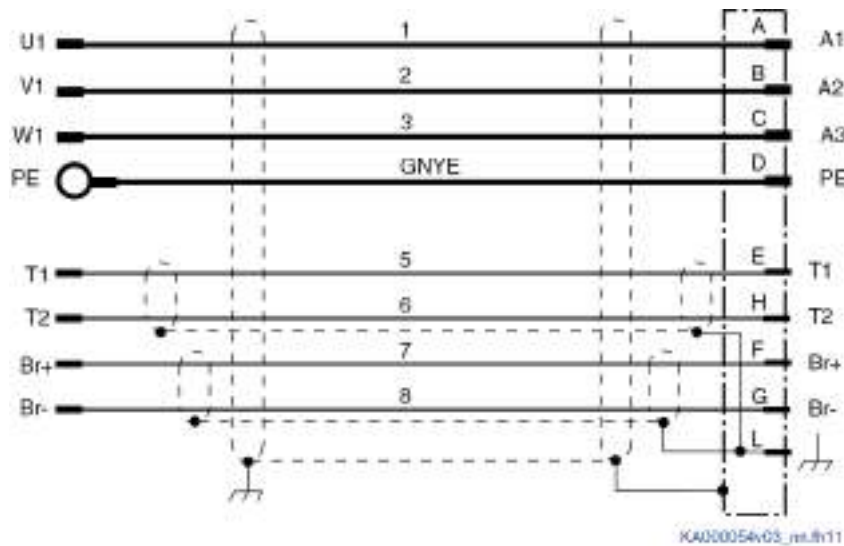
© Bosch Rexroth AG, 2013

4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-222: Parts RKL4522

Connection Cables

RKL4523

Connection motor	Bulk cable	Connection plug con- nector
RLK0003	INK0604	INS0482/C06

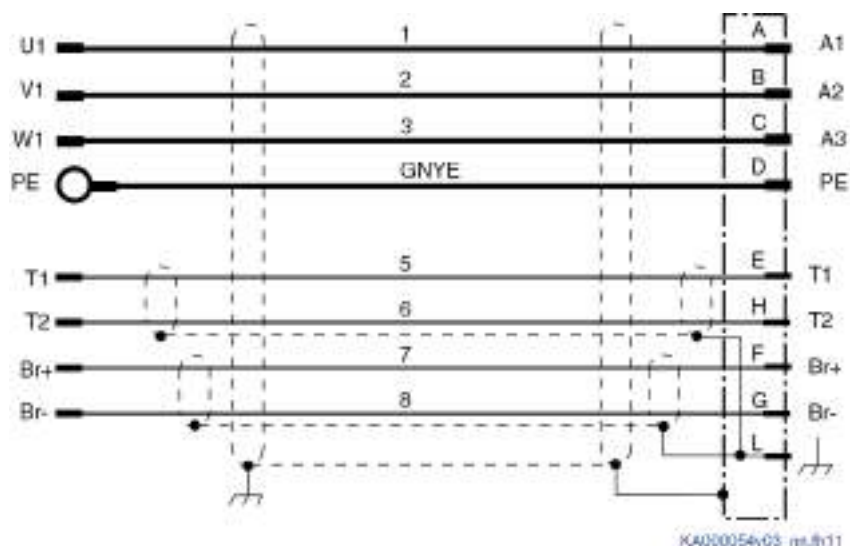


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- 6.0 mm² wires 1, 2, 3, GNYE
 - 1.0 mm² wires 5, 6
 - 1.5 mm² wires 7, 8
- Tab. 28-223: Parts RKL4523

RKL4524

Connection motor	Bulk cable	Connection plug connector
RLK0003	INK0605	INS0482/L10



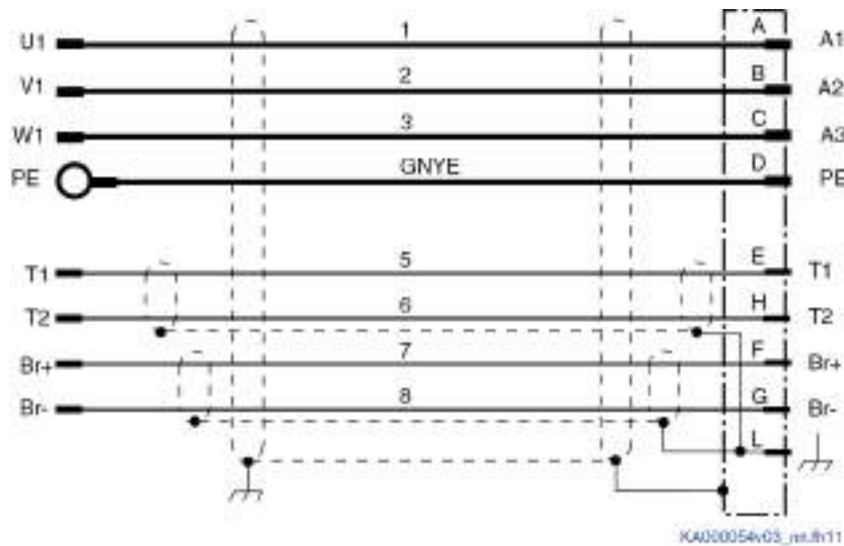
© Bosch Rexroth AG, 2013

10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-224: Parts RKL4524

Connection Cables

RKL4525

Connection motor	Bulk cable	Connection plug con- nector
RLK0004	INK0602	INS0482/C03



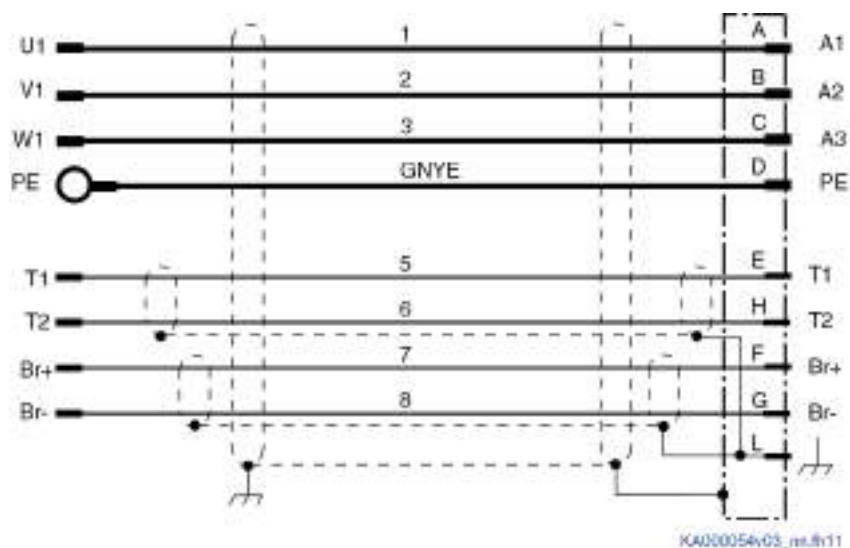
© Bosch Rexroth AG, 2013

2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-225: Parts RKL4525

Connection Cables

RKL4526

Connection motor	Bulk cable	Connection plug connector
RLK0004	INK0603	INS0482/C04



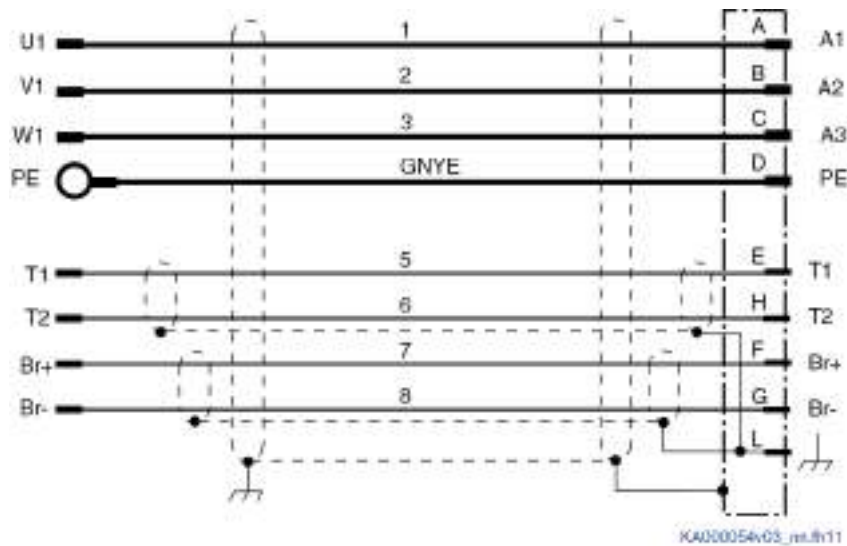
© Bosch Rexroth AG, 2013

4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-226: Parts RKL4526

Connection Cables

RKL4527

Connection motor	Bulk cable	Connection plug con- nector
RLK0004	INK0604	INS0482/C06

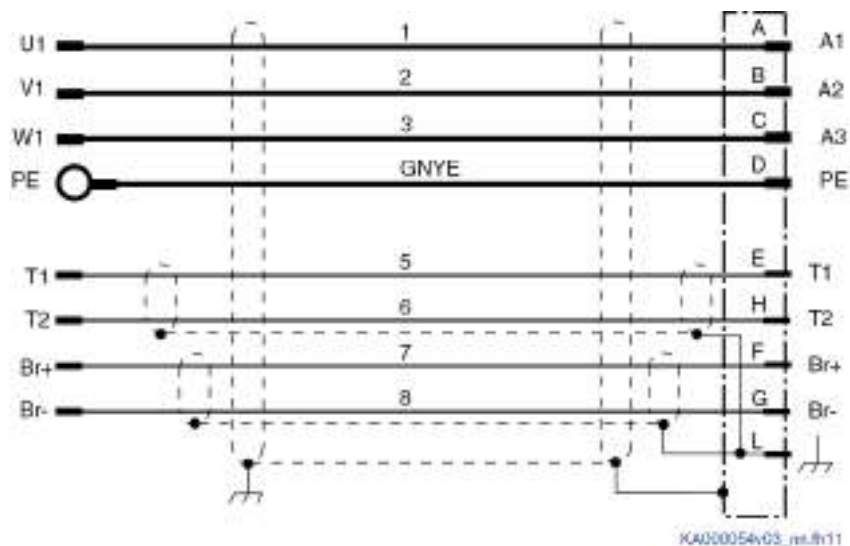


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- 6.0 mm² wires 1, 2, 3, GNYE
 - 1.0 mm² wires 5, 6
 - 1.5 mm² wires 7, 8
- Tab. 28-227: Parts RKL4527

RKL4528

Connection motor	Bulk cable	Connection plug connector
RLK0004	INK0605	INS0482/L10



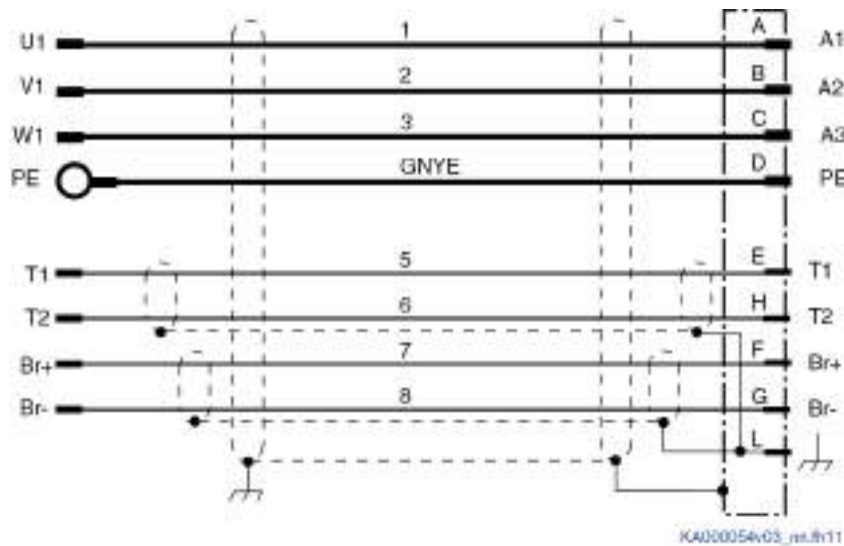
© Bosch Rexroth AG, 2013

10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-228: Parts RKL4528

Connection Cables

RKL4529

Connection motor	Bulk cable	Connection plug con- nector
RLK0004	INK0606	INS0382/C16

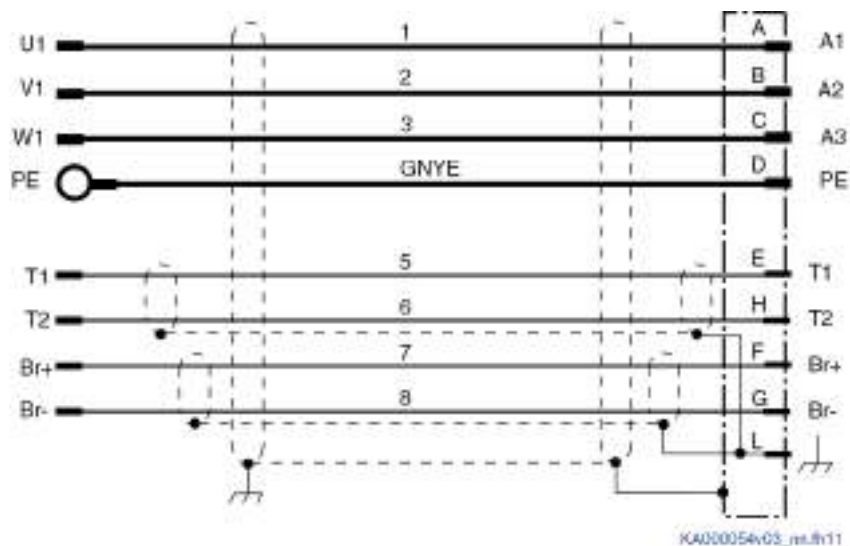


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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-229: Parts RKL4529

RKL4530

Connection motor	Bulk cable	Connection plug connector
RLK0005	INK0607	INS0382/C25



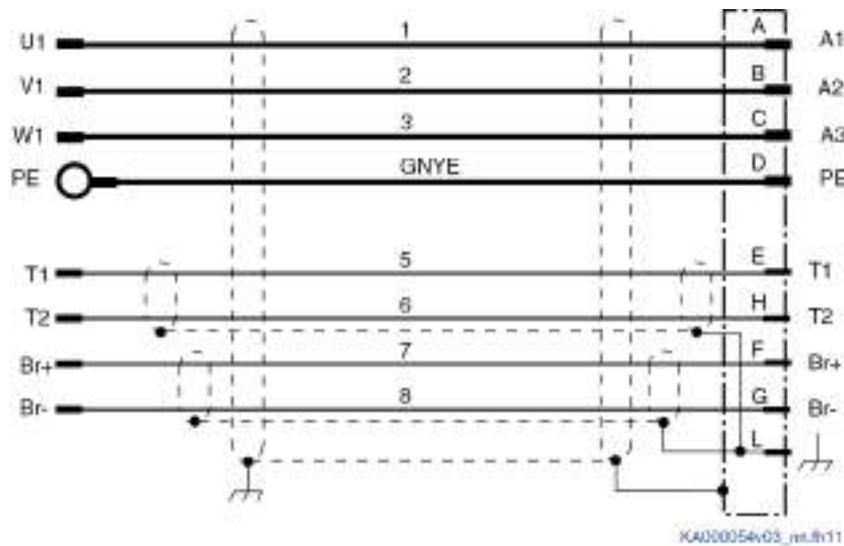
© Bosch Rexroth AG, 2013

25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-230: Parts RKL4530

Connection Cables

RKL4531

Connection motor	Bulk cable	Connection plug connector
RLK0005	INK0667	INS0382/C35

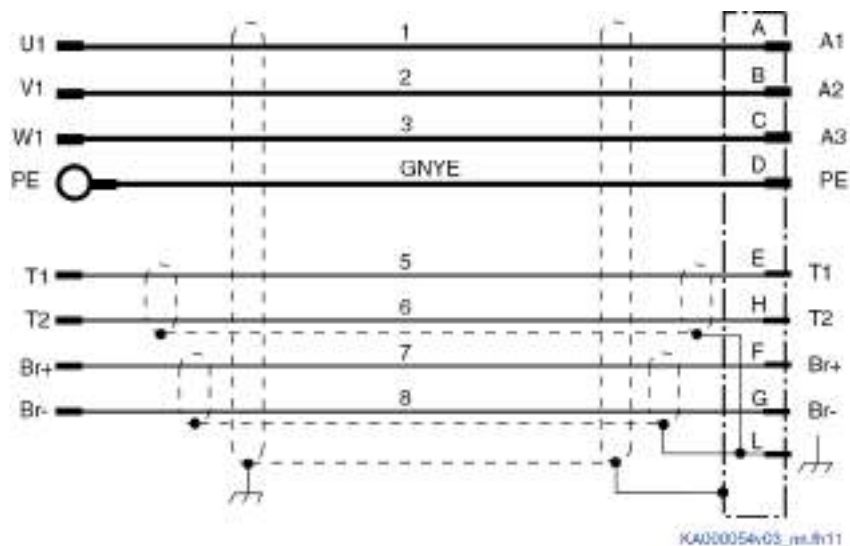


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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-231: Parts RKL4531

RKL4532

Connection motor	Bulk cable	Connection plug connector
RLK0005	INK0603	INS0482/C04



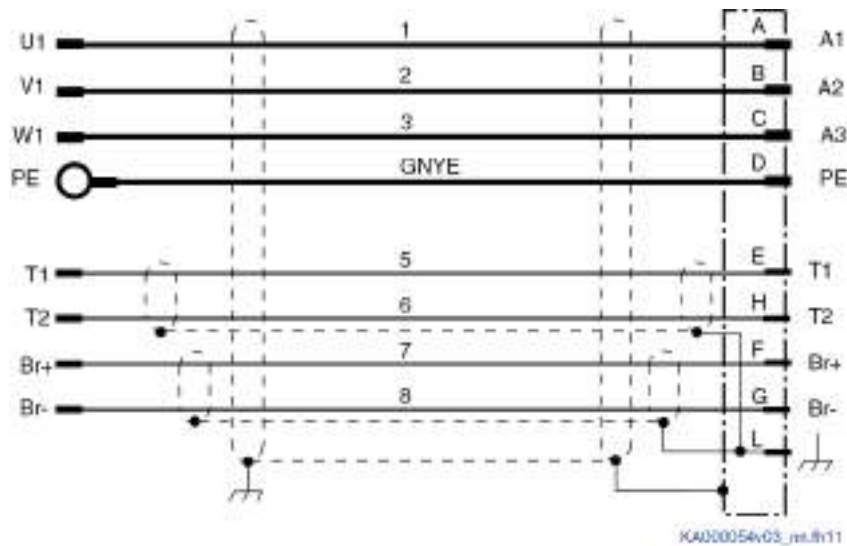
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4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-232: Parts RKL4532

Connection Cables

RKL4533

Connection motor	Bulk cable	Connection plug con- nector
RLK0005	INK0604	INS0482/C06

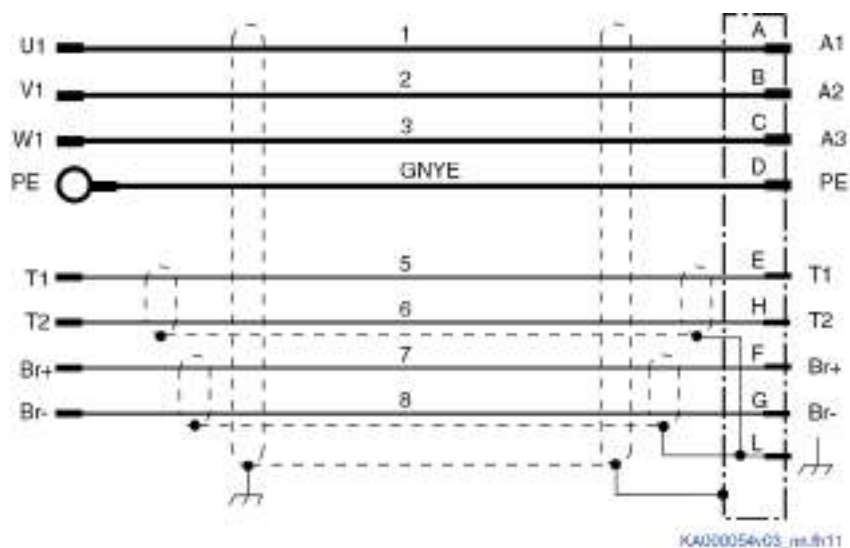


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6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-233: Parts RKL4533

RKL4534

Connection motor	Bulk cable	Connection plug connector
RLK0005	INK0605	INS0482/L10



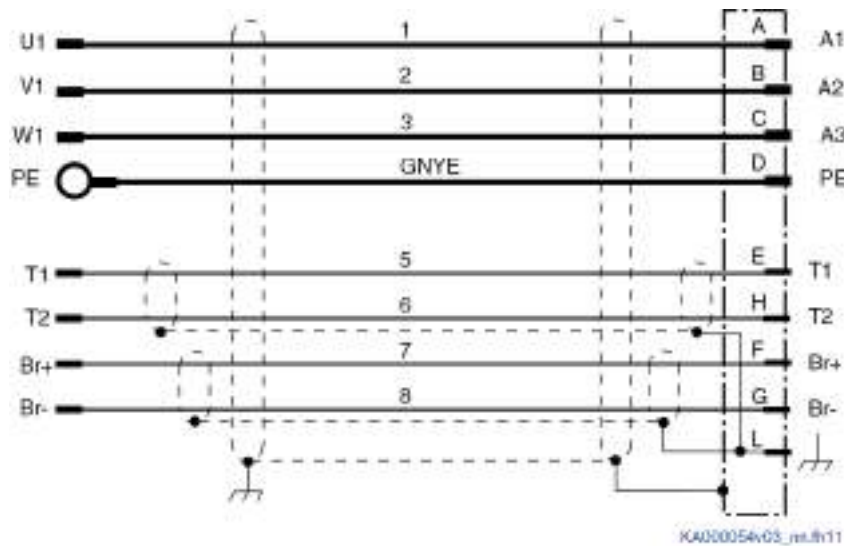
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10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-234: Parts RKL4534

Connection Cables

RKL4535

Connection motor	Bulk cable	Connection plug con- nector
RLK0005	INK0606	INS0382/C16

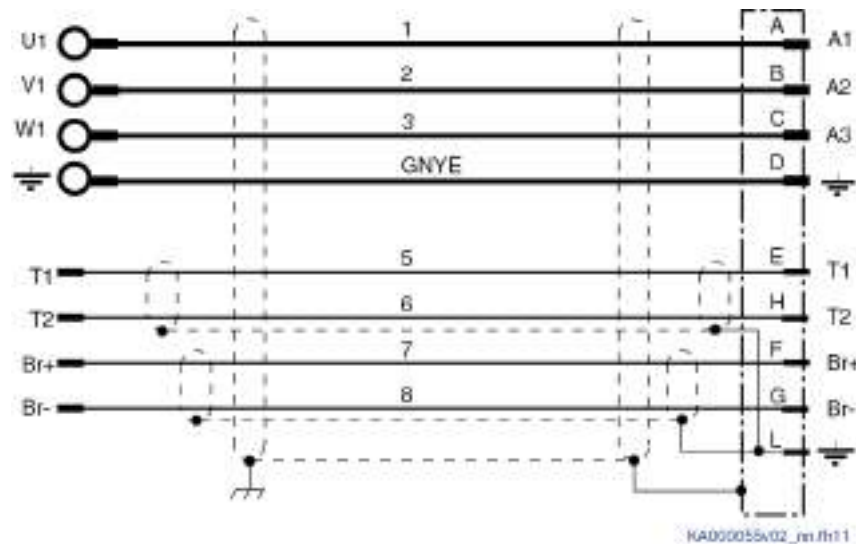


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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-235: Parts RKL4535

RKL4536

Connection motor	Bulk cable	Connection plug connector
RLK0006	INK0605	INS0482/C10



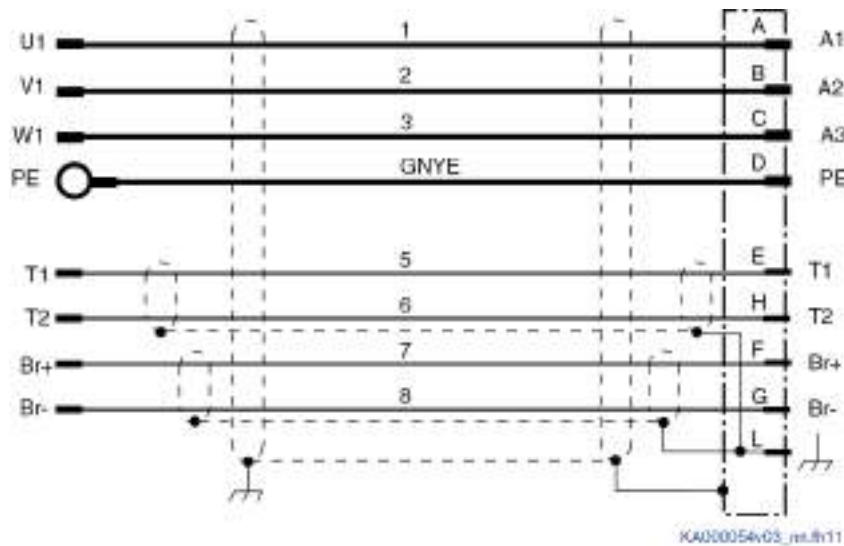
© Bosch Rexroth AG, 2013

10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8
Tab. 28-236: Parts RKL4536

Connection Cables

RKL4537

Connection motor	Bulk cable	Connection plug connector
RLK0005	INK0602	INS0482/C03

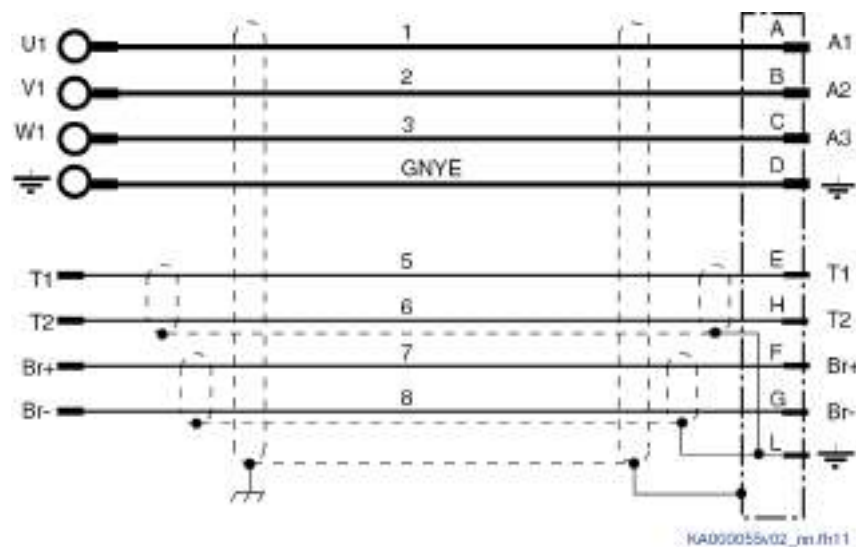


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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-237: Parts RKL4537

RKL4538

Connection motor	Bulk cable	Connection plug connector
RLK0006	INK0607	INS0382/C25



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25.0 mm² wires 1, 2, 3, GNYE

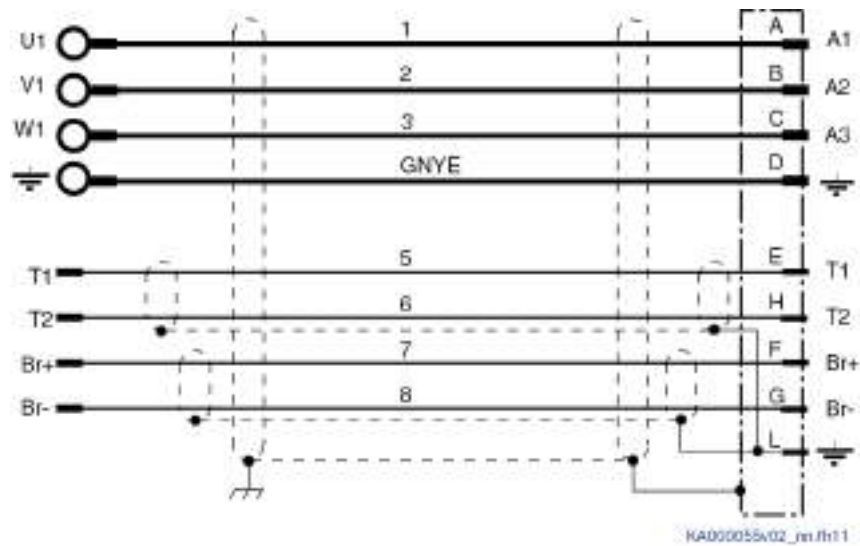
1.5 mm² wires 5, 6, 7, 8

Tab. 28-238: Parts RKL4538

Connection Cables

RKL4539

Connection motor	Bulk cable	Connection plug con- nector
RLK0006	INK0667	INS0382/C35

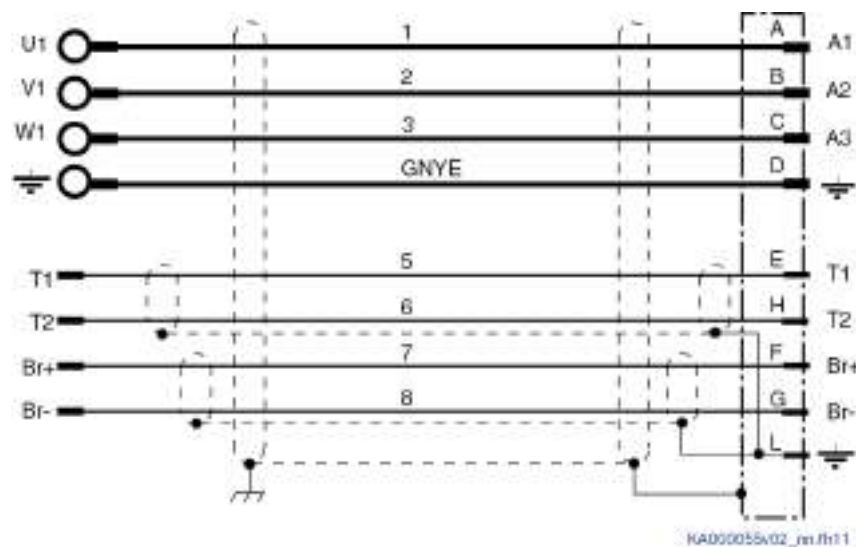


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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-239: Parts RKL4539

RKL4540

Connection motor	Bulk cable	Connection plug connector
RLK0006	INK0606	INS0382/C16



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16.0 mm² wires 1, 2, 3, GNYE

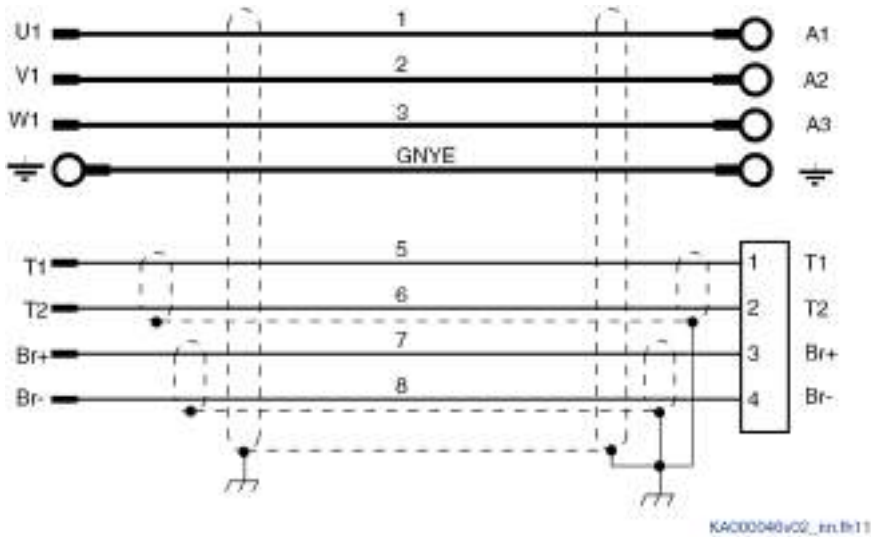
1.5 mm² wires 5, 6, 7, 8

Tab. 28-240: Parts RKL4540

Connection Cables

RKL4544

Connection motor	Bulk cable	Connection controller
RLK0004	INK0607	RLS0723/K25



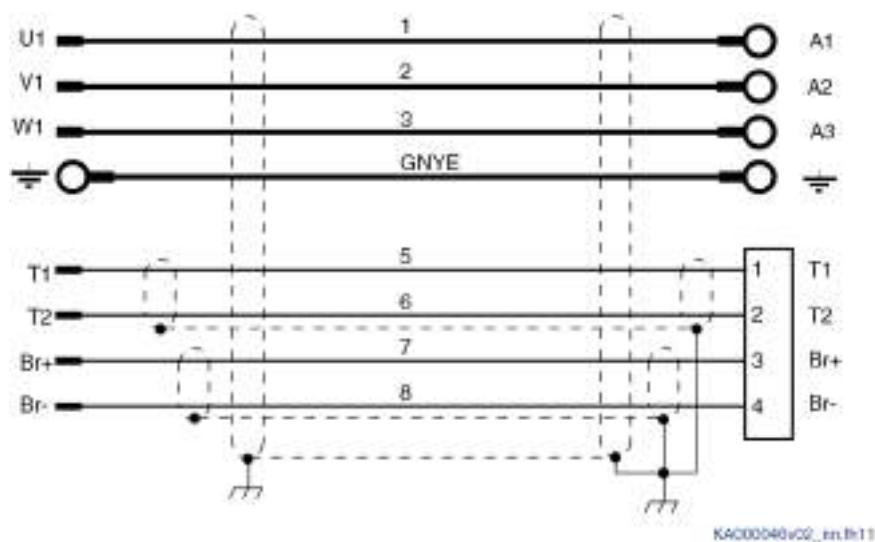
© Bosch Rexroth AG, 2013

25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-241: Parts RKL4544

Connection Cables

RKL4545

Connection motor	Bulk cable	Connection controller
RLK0004	INK0607	RLS0724/K25



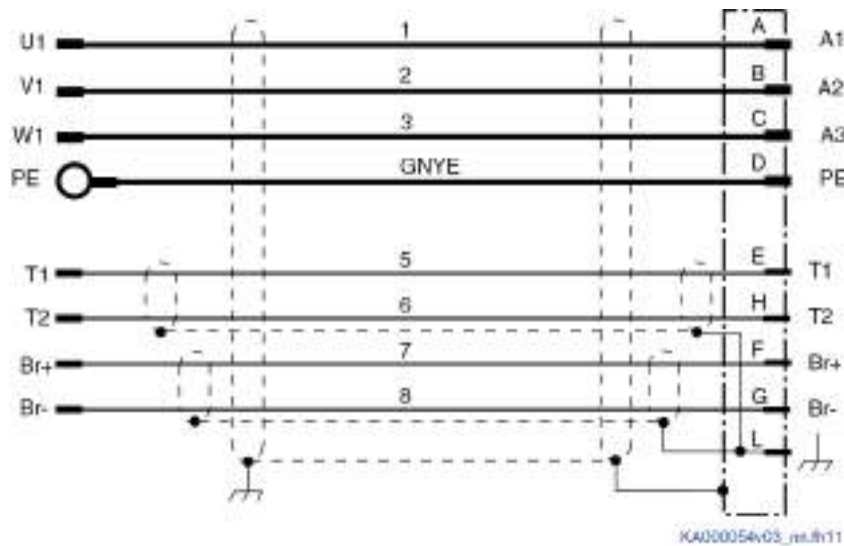
© Bosch Rexroth AG, 2013

25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-242: Parts RKL4545

Connection Cables

RKL4547

Connection motor	Bulk cable	Connection plug con- nector
RLK0004	INK0607	INS0382/C25



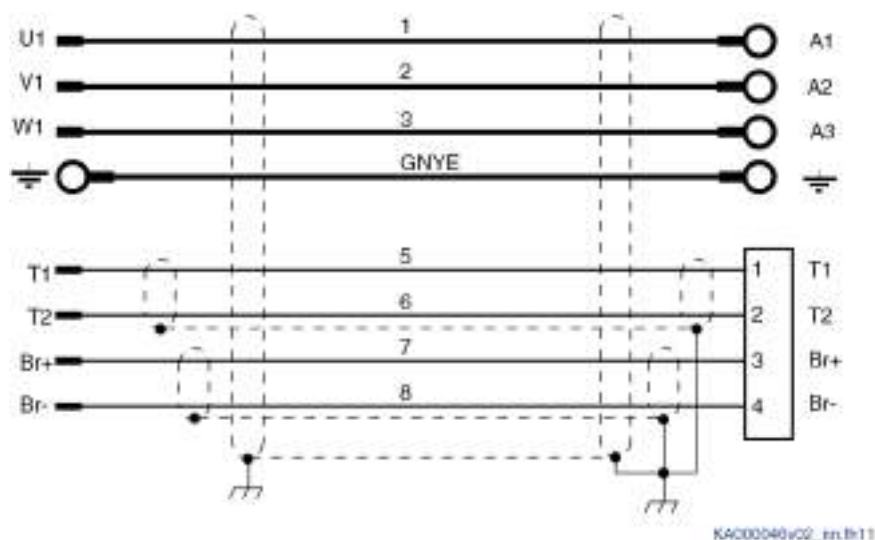
© Bosch Rexroth AG, 2013

25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-243: Parts RKL4547

Connection Cables

RKL4548

Connection motor	Bulk cable	Connection controller
RLK0005	INK0667	RLS0724/K35



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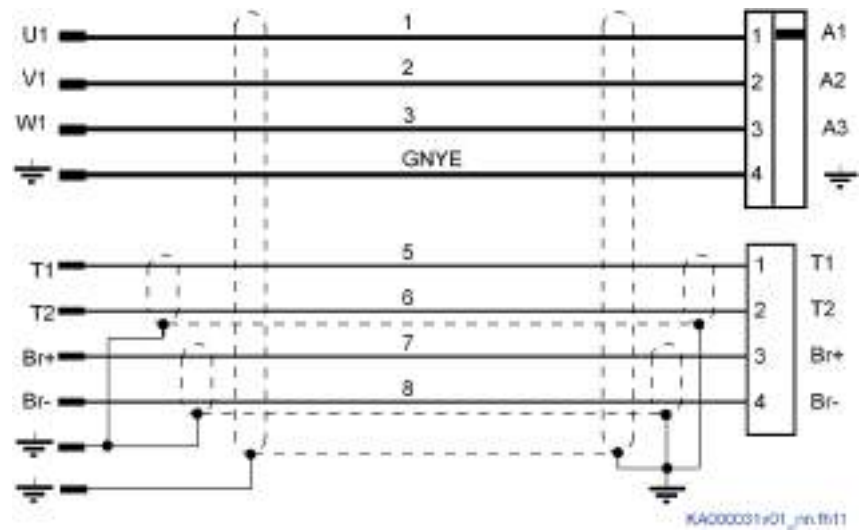
35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-244: Parts RKL4548

Connection Cables

RKL46xx

RKL4600

Connection motor	Bulk cable	Connection controller
WEF	INK0653	RLS0722/K03

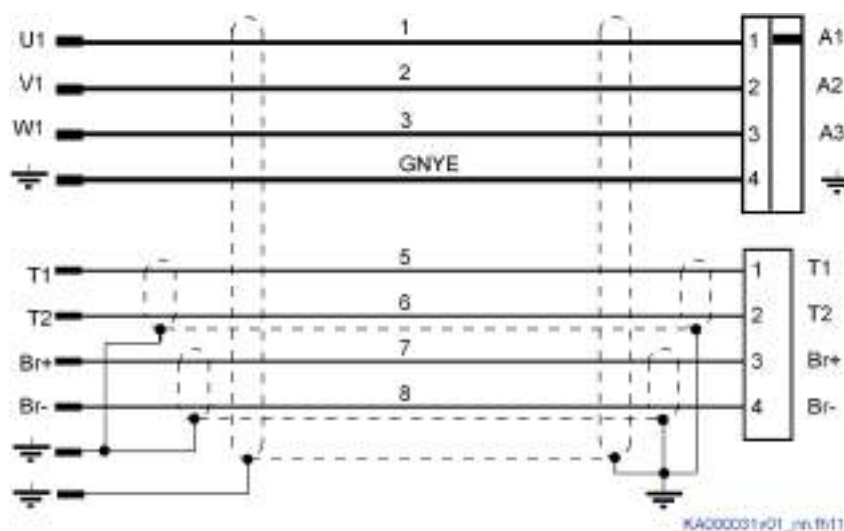


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1.0 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Tab. 28-245: Interconnection diagram RKL4600

RKL4602

Connection motor	Bulk cable	Connection controller
WEF	INK0602	RLS0722/K03



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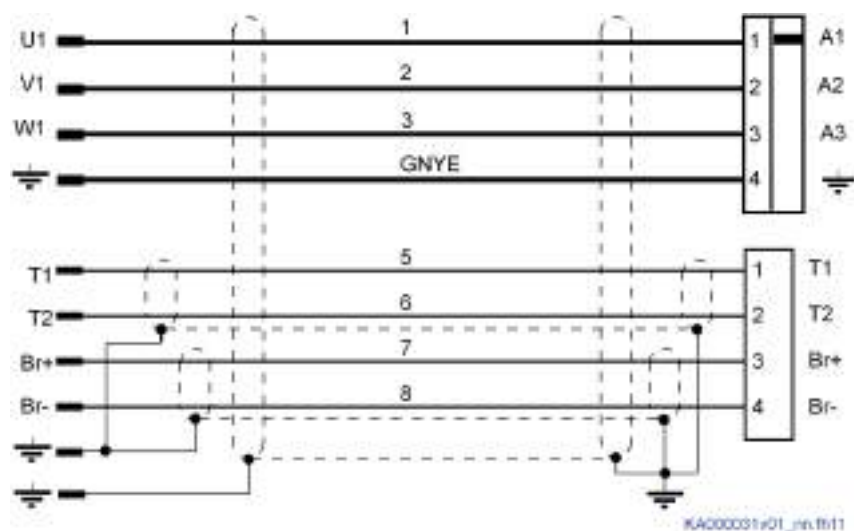
2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8

Tab. 28-246: Interconnection diagram RKL4602

Connection Cables

RKL4603

Connection motor	Bulk cable	Connection controller
WEF	INK0602	RLS0721/K03



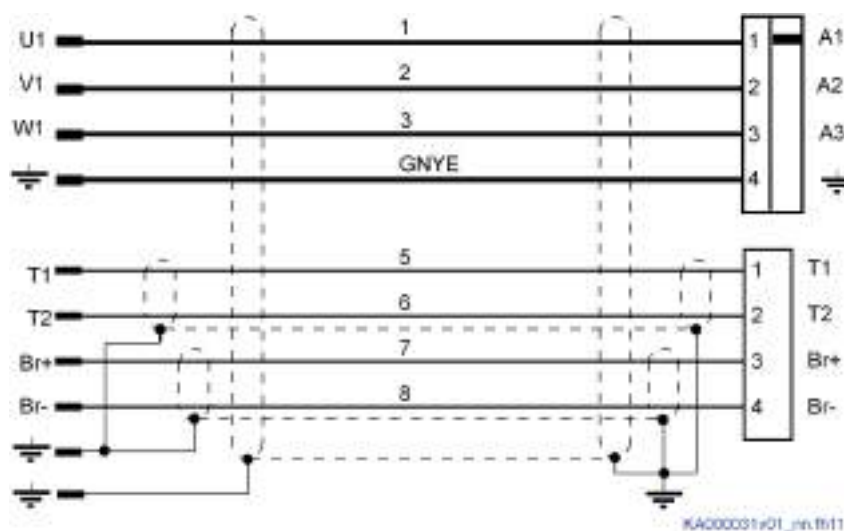
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2.5 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6, 7, 8

Tab. 28-247: Interconnection diagram RKL4603

RKL4606

Connection motor	Bulk cable	Connection controller
WEF	INK0604	RLS0721/K06



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6.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

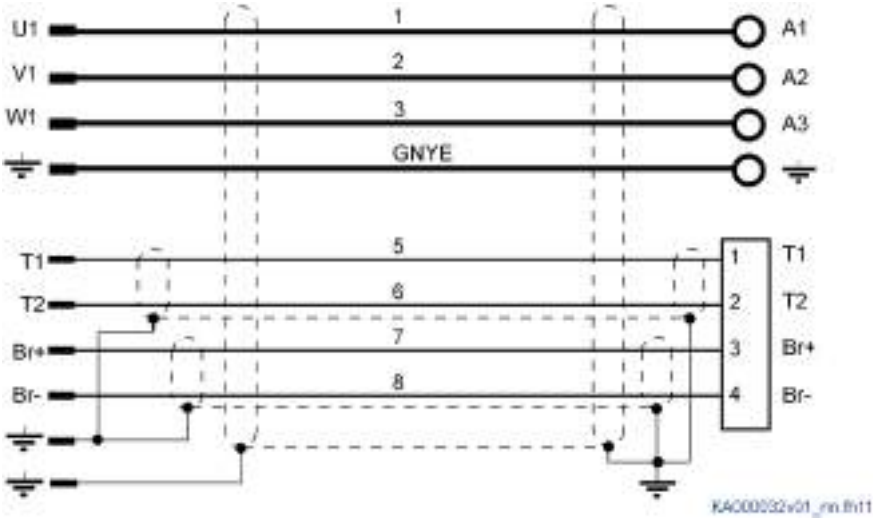
1.5 mm² wires 7, 8

Tab. 28-248: Interconnection diagram RKL4606

Connection Cables

RKL4607

Connection motor	Bulk cable	Connection controller
WEF	INK0604	RLS0723/K06

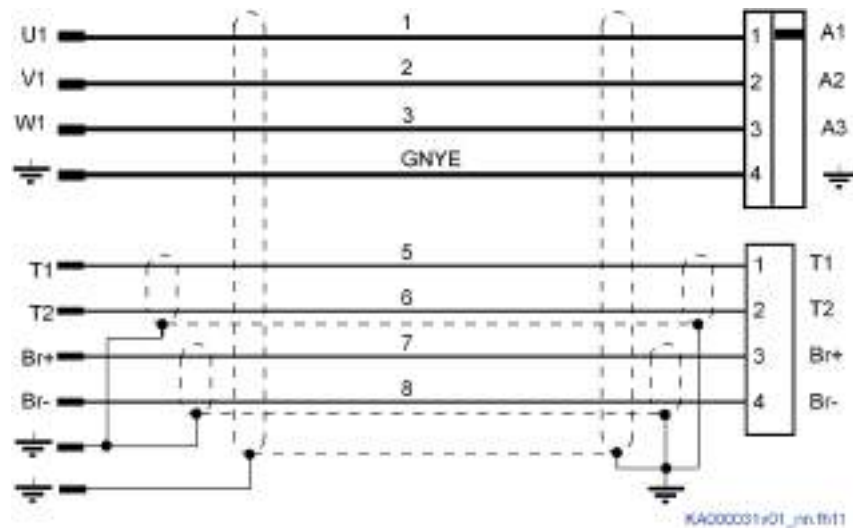


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6.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8
Tab. 28-249:	Interconnection diagram RKL4607

RKL4608

Connection motor	Bulk cable	Connection controller
WEF	INK0605	RLS0721/K10



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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

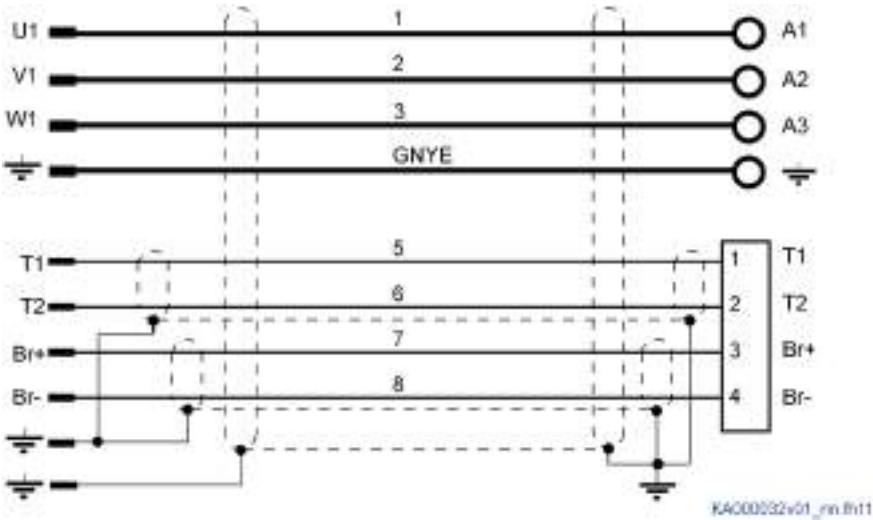
1.5 mm² wires 7, 8

Tab. 28-250: Interconnection diagram RKL4608

Connection Cables

RKL4609

Connection motor	Bulk cable	Connection controller
WEF	INK0605	RLS0723/K10



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10.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8
Tab. 28-251:	Interconnection diagram RKL4609

RKL4620

Connection motor

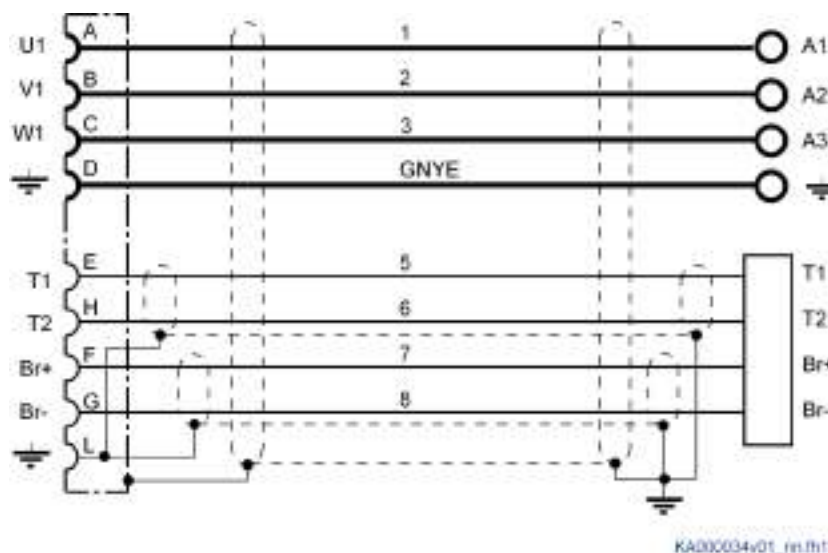
INS0381/C25

Bulk cable

INK0607

Connection controller

RLS0724/K25



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25.0 mm² wires 1, 2, 3, GNYE

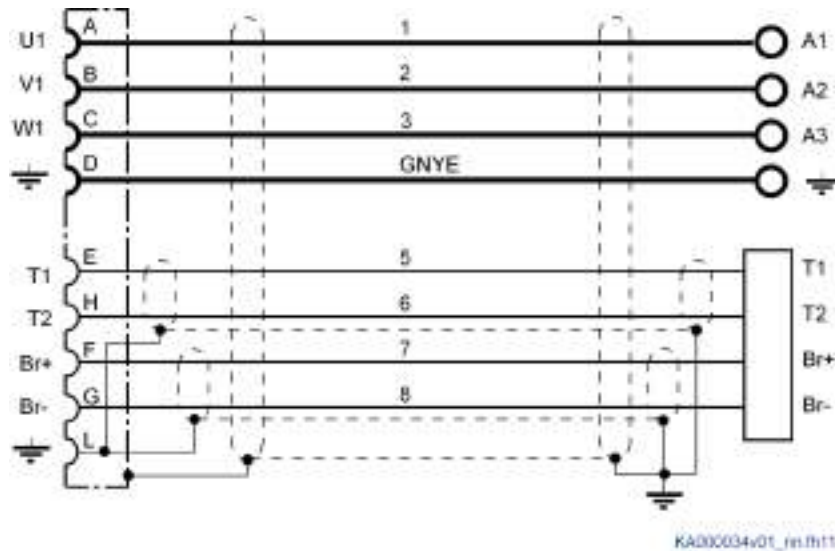
1.5 mm² wires 5, 6, 7, 8

Tab. 28-252: Interconnection diagram RKL4620

Connection Cables

RKL4621

Connection motor	Bulk cable	Connection controller
INS0381/C35	INK0667	RLS0724/K35



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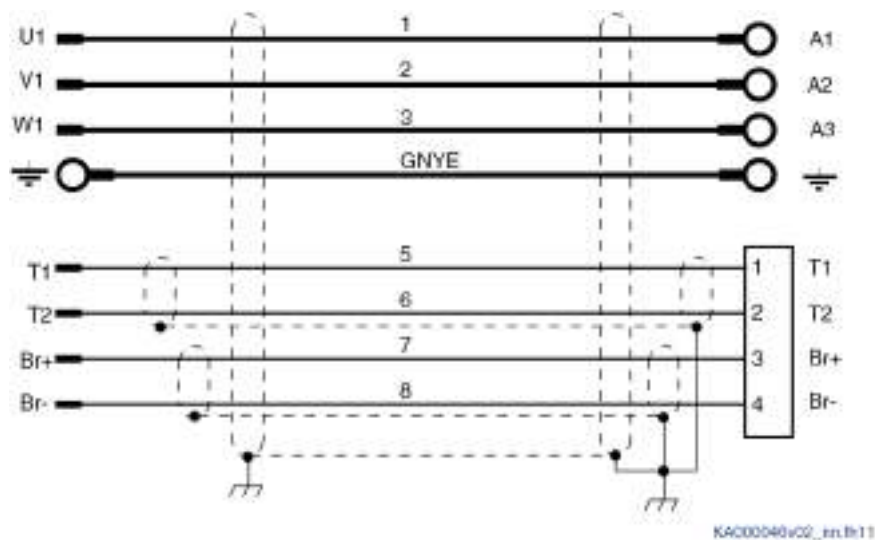
35.0 mm² wires 1, 2, 3, GNYE**1.5 mm²** wires 5, 6, 7, 8

Tab. 28-253: Interconnection diagram RKL4621

Connection Cables

RKL4637

Connection motor	Bulk cable	Connection controller
RLK0004	INK0606	RLS0724/K16



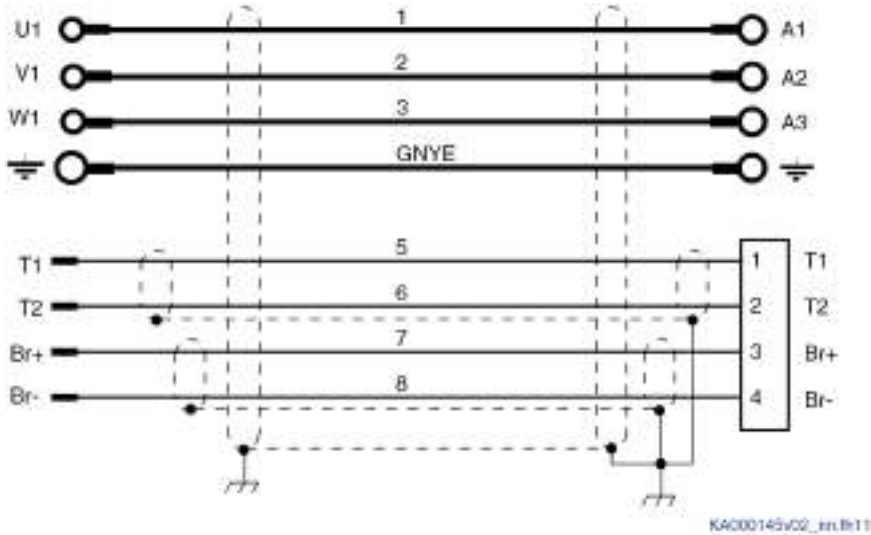
© Bosch Rexroth AG, 2013

16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-254: Parts RKL4637

Connection Cables

RKL4638

Connection motor	Bulk cable	Connection controller
RLK0007	INK0667	RLS0727/K35



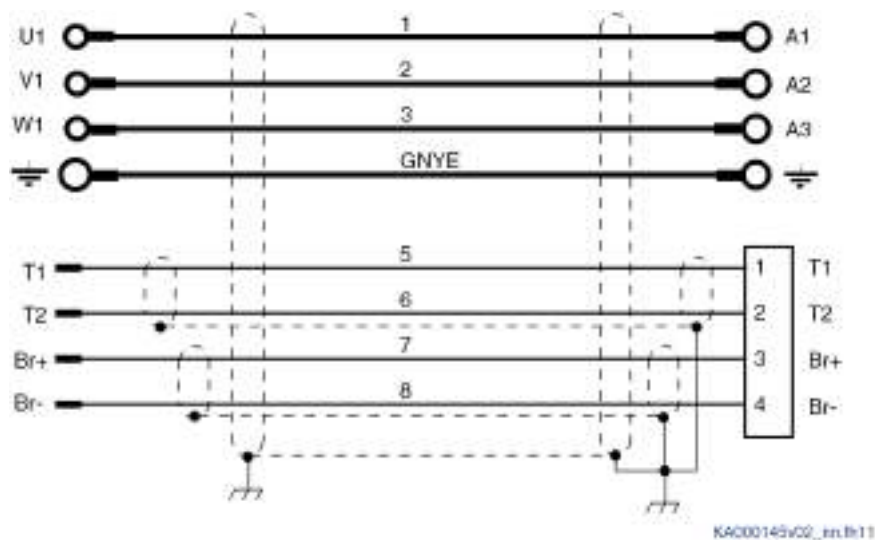
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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-255: Parts RKL4638

Connection Cables

RKL4644

Connection motor	Bulk cable	Connection controller
RLK0006	INK0607	RLS0727/K25



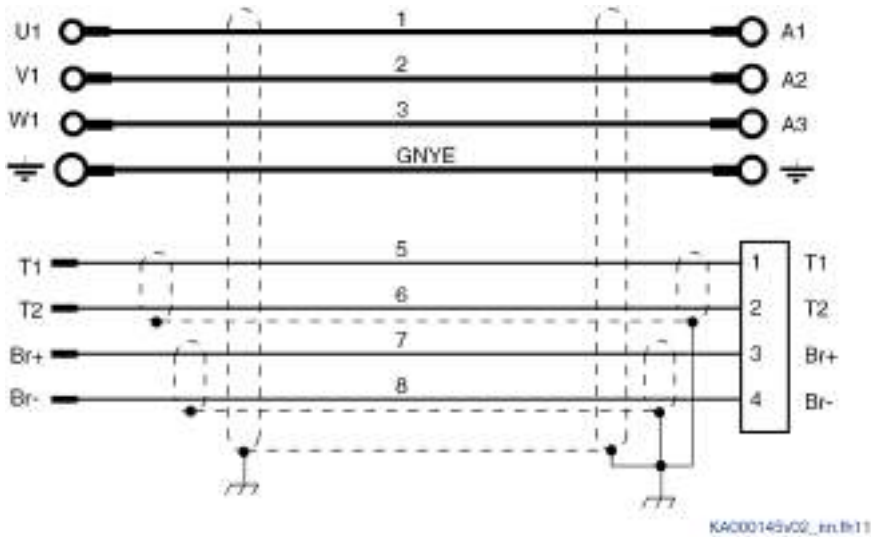
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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-256: Parts RKL4644

Connection Cables

RKL4645

Connection motor	Bulk cable	Connection controller
RLK0007	INK0607	RLS0723/K25



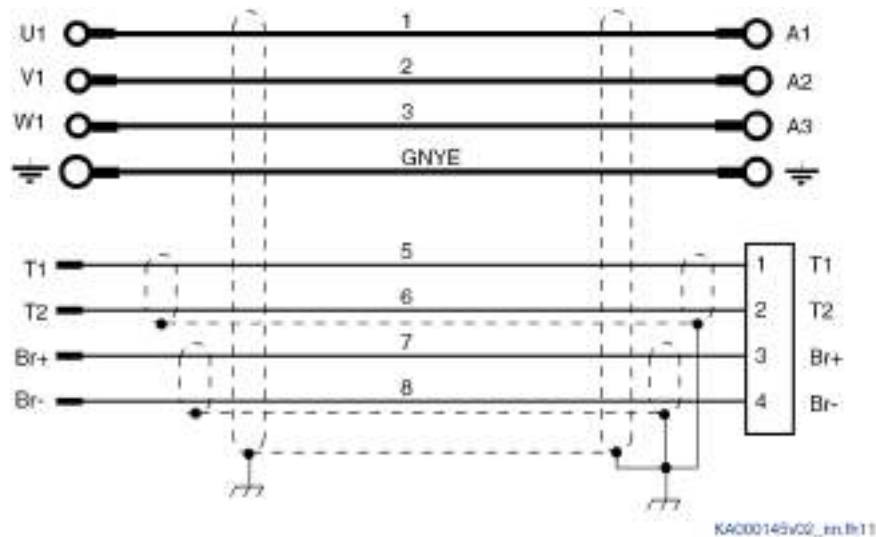
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25.0 mm² wires 1, 2, 3, GNYE
 1.5 mm² wires 5, 6, 7, 8
 Tab. 28-257: Parts RKL4645

Connection Cables

RKL4646

Connection motor	Bulk cable	Connection controller
RLK0007	INK0607	RLS0724/K25



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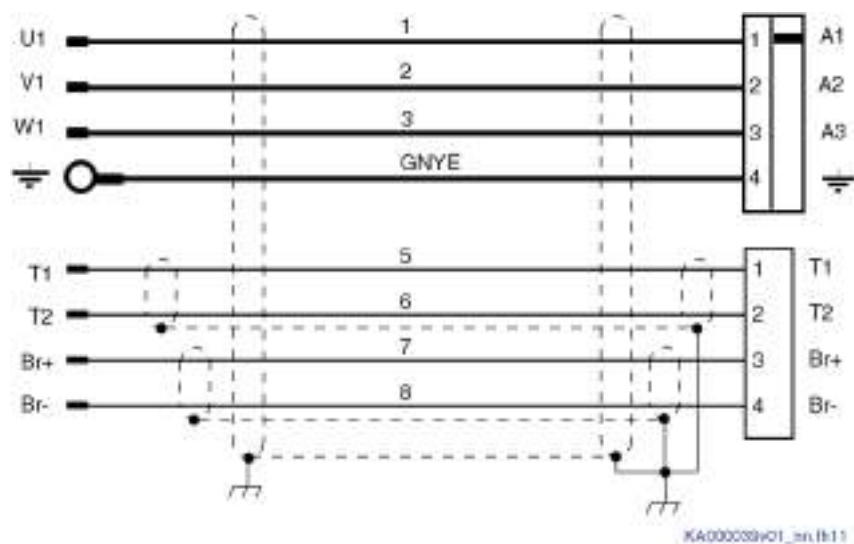
25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-258: Parts RKL4646

Connection Cables

RKL47xx

RKL4700

Connection motor	Bulk cable	Connection controller
RLK1201	INK0653	RLS0721/K01



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1.0 mm² wires 1, 2, 3, GNYE**0.75 mm²** wires 5, 6, 7, 8

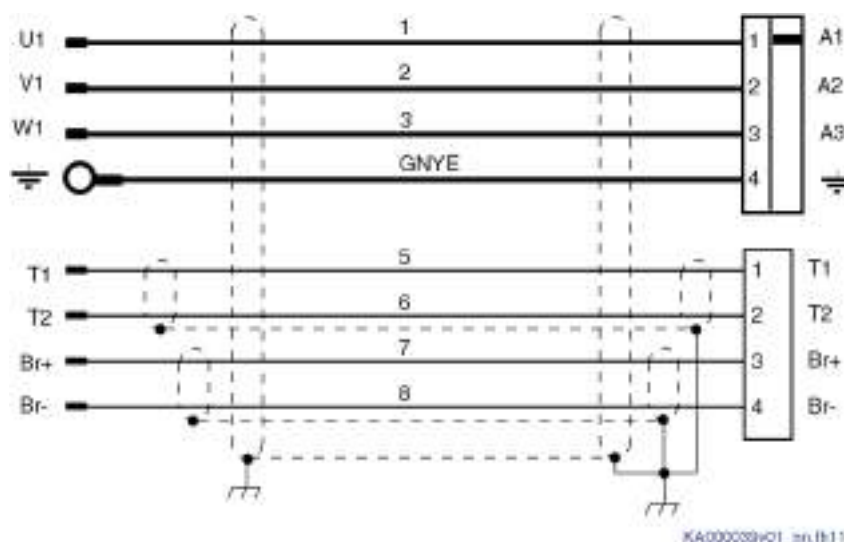
Tab. 28-259: Interconnection diagram RKL4700

RKL4701

Connection motor
RLK1201

Bulk cable
INK0653

Connection controller
RLS0722/K01



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1.0 mm² wires 1, 2, 3, GNYE

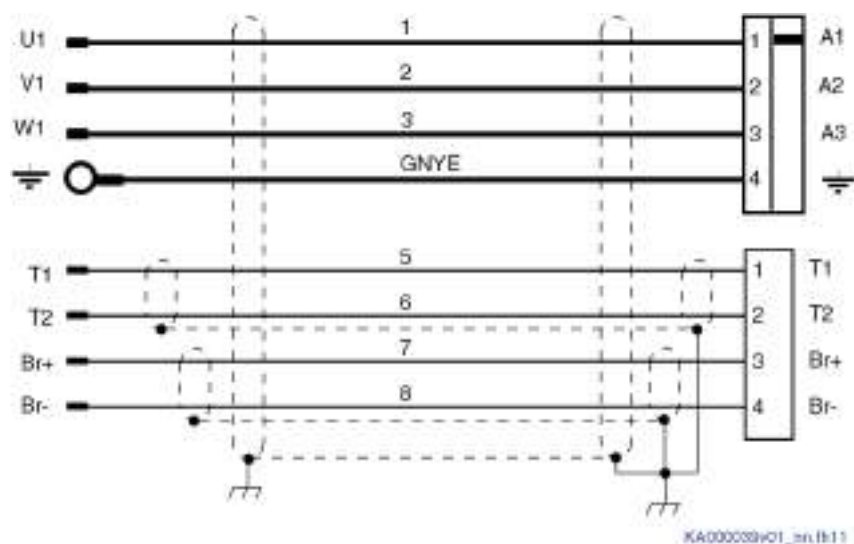
0.75 mm² wires 5, 6, 7, 8

Tab. 28-260: Interconnection diagram RKL4701

Connection Cables

RKL4702

Connection motor	Bulk cable	Connection controller
RLK1201	INK0650	RLS0721/K02



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1.5 mm² wires 1, 2, 3, GNYE**0.75 mm²** wires 5, 6, 7, 8

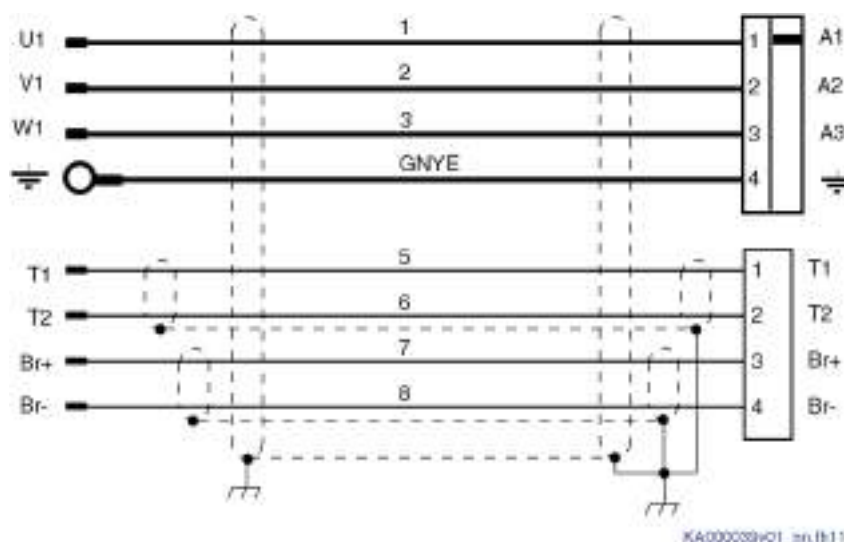
Tab. 28-261: Interconnection diagram RKL4702

RKL4703

Connection motor
RLK1201

Bulk cable
INK0650

Connection controller
RLS0722/K02



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1.5 mm² wires 1, 2, 3, GNYE

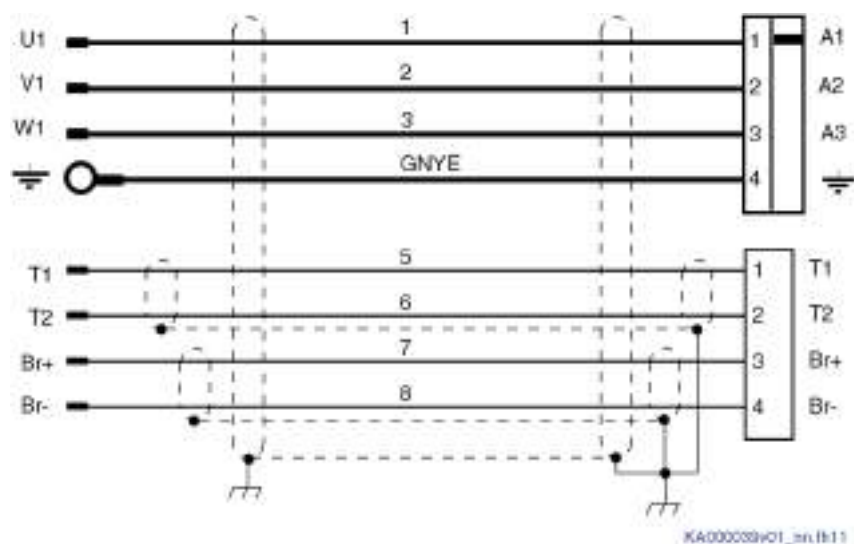
0.75 mm² wires 5, 6, 7, 8

Tab. 28-262: Interconnection diagram RKL4703

Connection Cables

RKL4704

Connection motor	Bulk cable	Connection controller
RLK1201	INK0602	RLS0721/K03



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2.5 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6, 7, 8

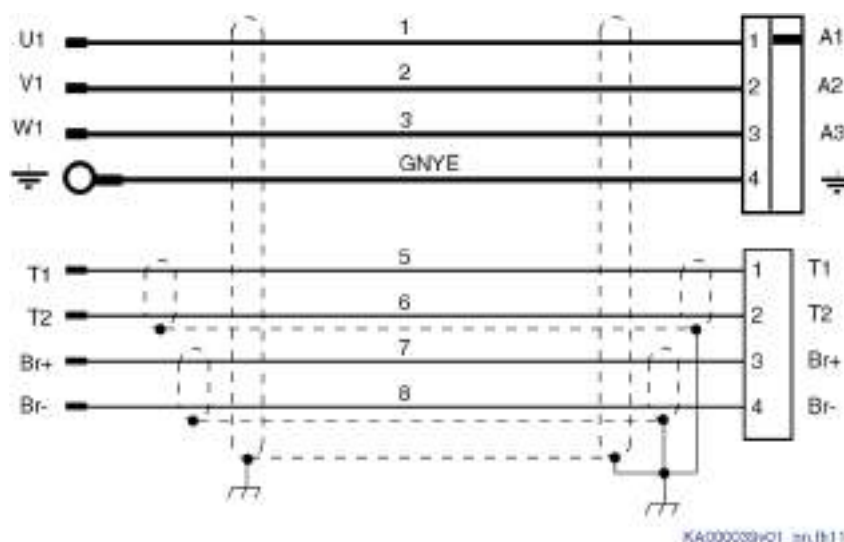
Tab. 28-263: Interconnection diagram RKL4704

RKL4705

Connection motor
RLK1201

Bulk cable
INK0602

Connection controller
RLS0722/K03



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2.5 mm² wires 1, 2, 3, GNYE

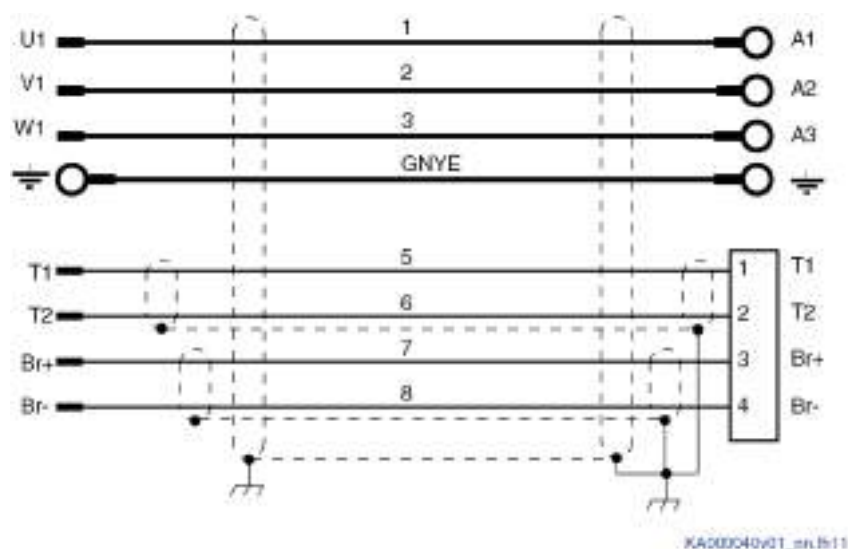
1.0 mm² wires 5, 6, 7, 8

Tab. 28-264: Interconnection diagram RKL4705

Connection Cables

RKL4706

Connection motor	Bulk cable	Connection controller
RLK1201	INK0602	RLS0723/K03



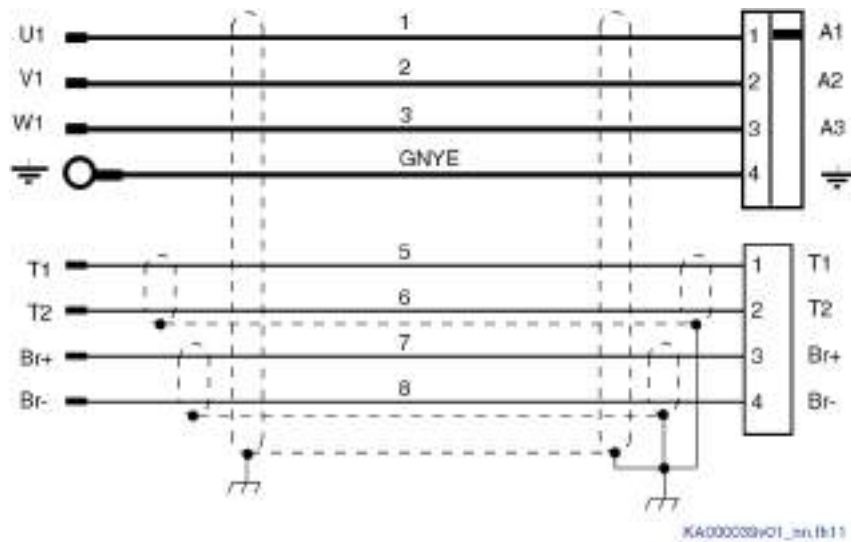
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2.5 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6, 7, 8

Tab. 28-265: Interconnection diagram RKL4706

RKL4707

Connection motor	Bulk cable	Connection controller
RLK1201	INK0603	RLS0721/K04



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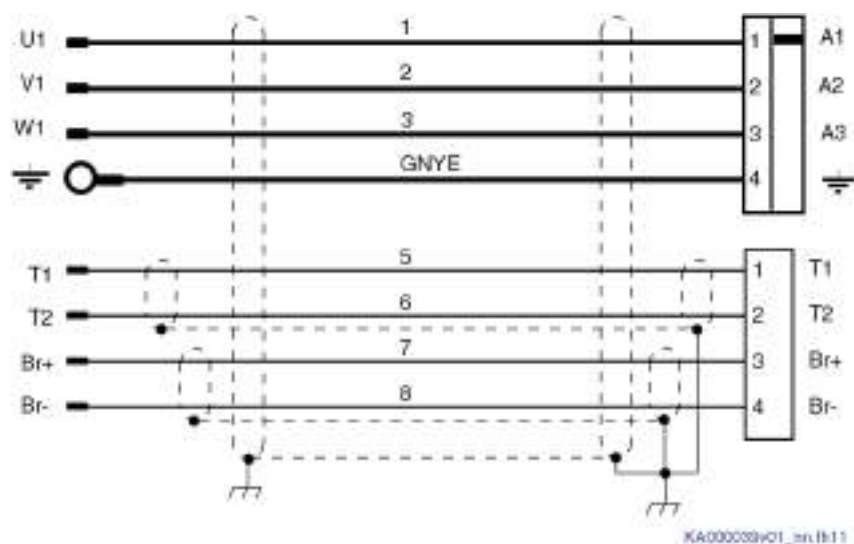
4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-266: Interconnection diagram RKL4707

Connection Cables

RKL4708

Connection motor	Bulk cable	Connection controller
RLK1201	INK0603	RLS0722/K04



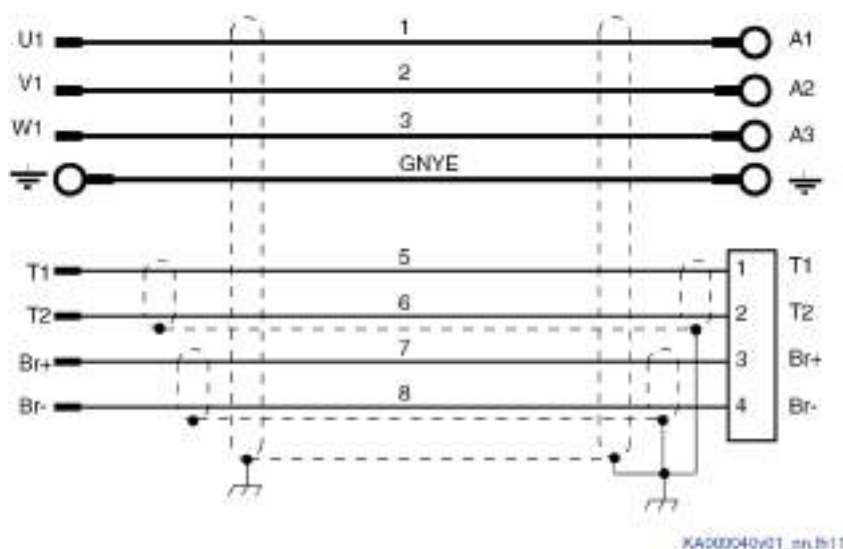
© Bosch Rexroth AG, 2013

4.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-267: Interconnection diagram RKL4708

RKL4709

Connection motor	Bulk cable	Connection controller
RLK1201	INK0603	RLS0723/K04



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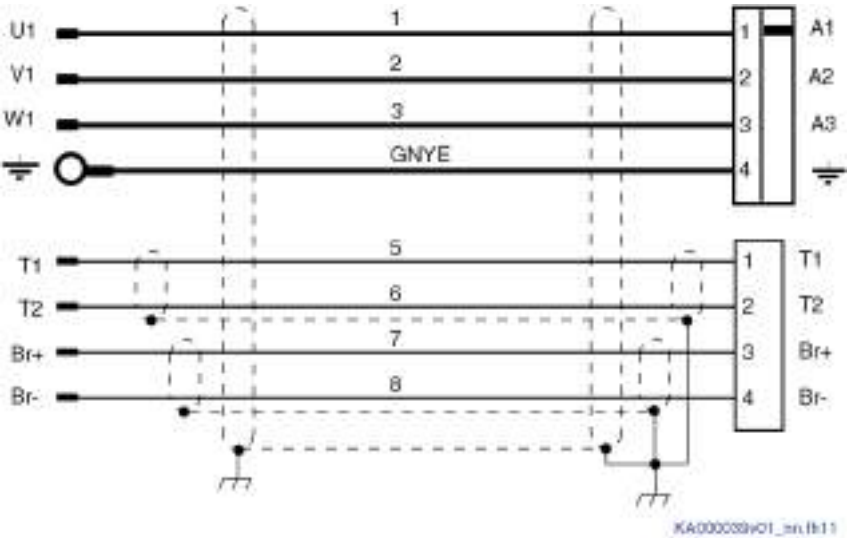
4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-268: Interconnection diagram RKL4709

Connection Cables

RKL4710

Connection motor	Bulk cable	Connection controller
RLK1201	INK0604	RLS0721/K06

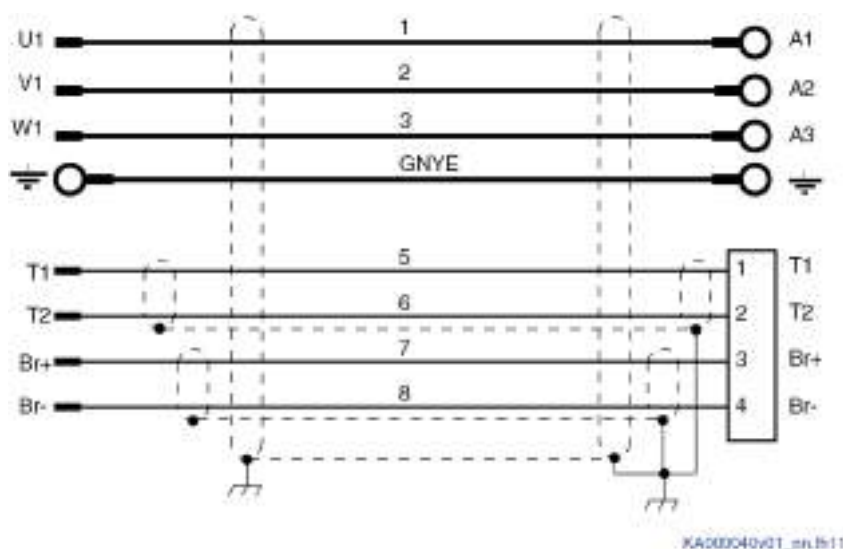


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6.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-269: Interconnection diagram RKL4710

RKL4711

Connection motor	Bulk cable	Connection controller
RLK1201	INK0604	RLS0723/K06



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6.0 mm² wires 1, 2, 3, GNYE

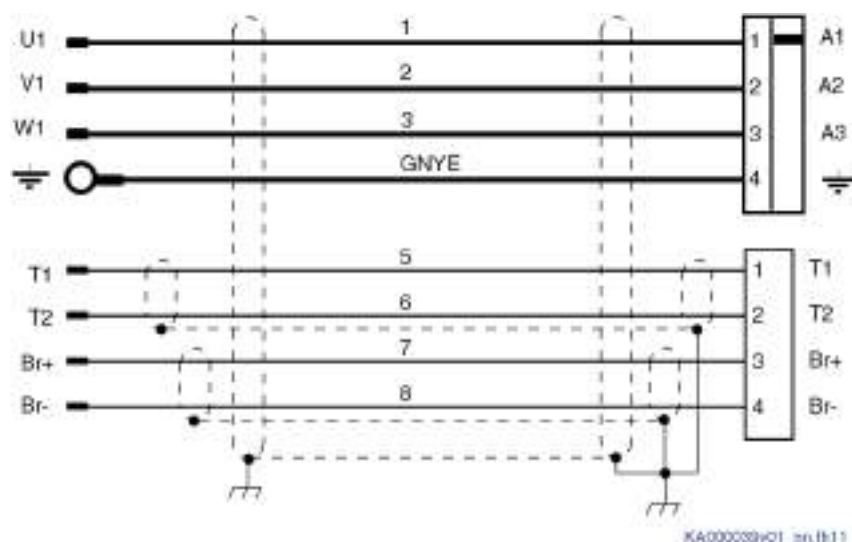
1.5 mm² wires 5, 6, 7, 8

Tab. 28-270: Interconnection diagram RKL4711

Connection Cables

RKL4712

Connection motor	Bulk cable	Connection controller
RLK1201	INK0605	RLS0721/K10



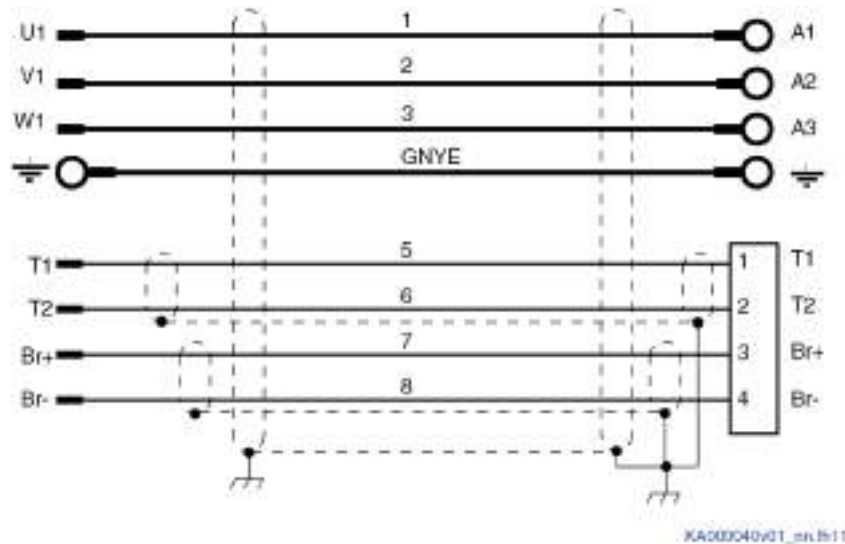
© Bosch Rexroth AG, 2013

10.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-271: Interconnection diagram RKL4712

RKL4713

Connection motor	Bulk cable	Connection controller
RLK1201	INK0605	RLS0723/K10



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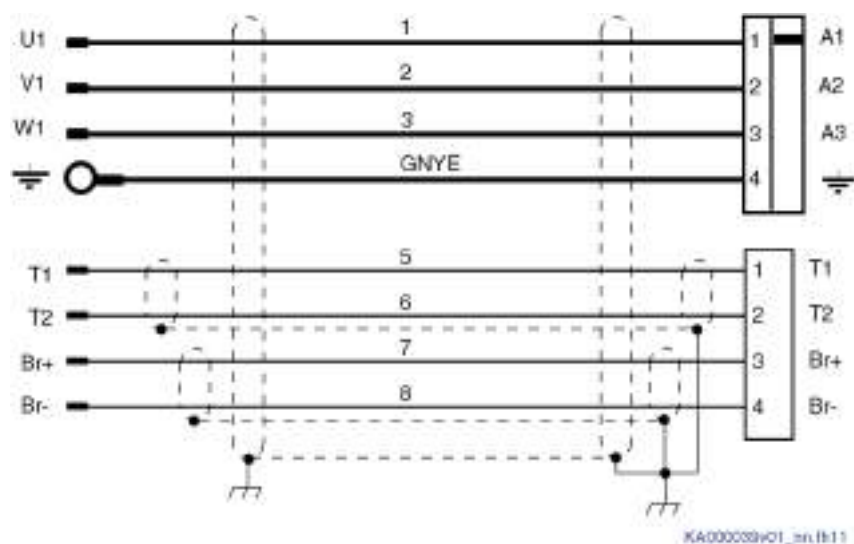
10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-272: Interconnection diagram RKL4713

Connection Cables

RKL4714

Connection motor	Bulk cable	Connection controller
RLK1301	INK0650	RLS0721/K02



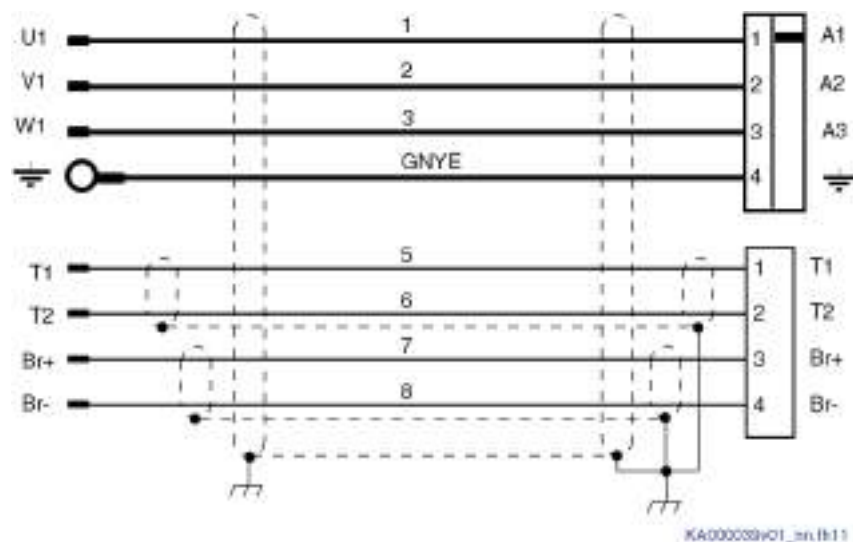
© Bosch Rexroth AG, 2013

1.5 mm² wires 1, 2, 3, GNYE**0.75 mm²** wires 5, 6, 7, 8

Tab. 28-273: Interconnection diagram RKL4714

RKL4715

Connection motor	Bulk cable	Connection controller
RLK1301	INK0650	RLS0722/K02



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1.5 mm² wires 1, 2, 3, GNYE

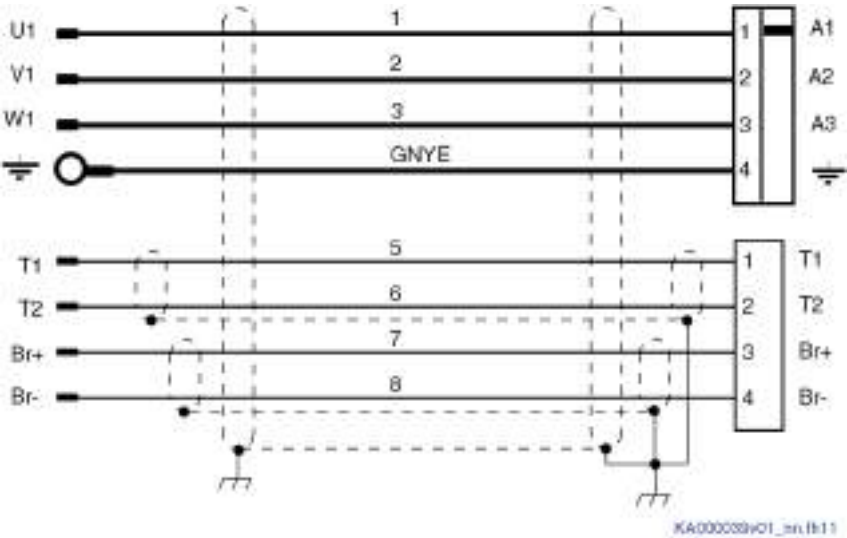
0.75 mm² wires 5, 6, 7, 8

Tab. 28-274: Interconnection diagram RKL4715

Connection Cables

RKL4716

Connection motor	Bulk cable	Connection controller
RLK1301	INK0602	RLS0721/K03



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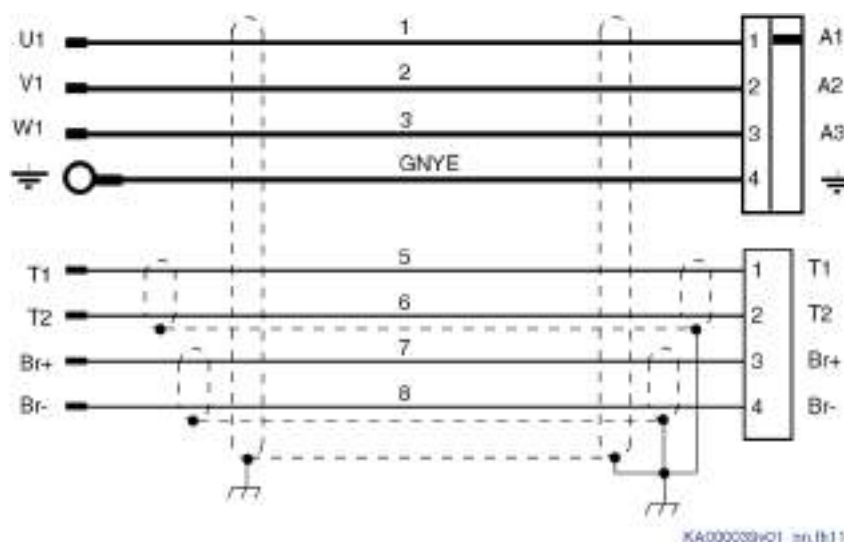
2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-275: Interconnection diagram RKL4716

RKL4717

Connection motor
RLK1301

Bulk cable
INK0602

Connection controller
RLS0722/K03



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2.5 mm² wires 1, 2, 3, GNYE

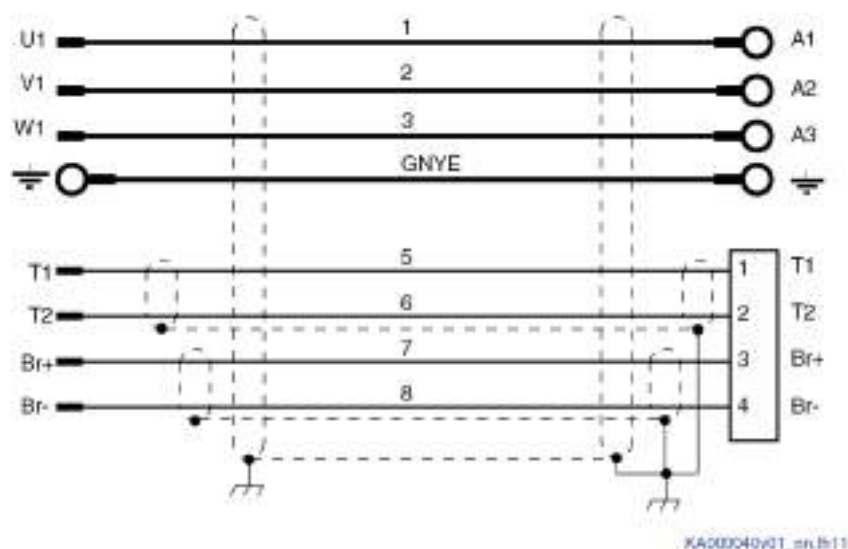
1.0 mm² wires 5, 6, 7, 8

Tab. 28-276: Interconnection diagram RKL4717

Connection Cables

RKL4718

Connection motor	Bulk cable	Connection controller
RLK1301	INK0602	RLS0723/K03



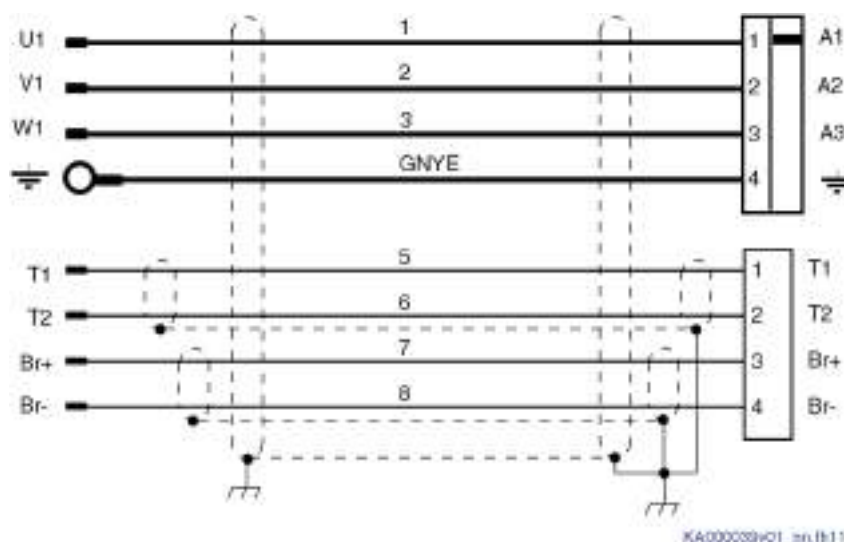
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2.5 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6, 7, 8

Tab. 28-277: Interconnection diagram RKL4718

RKL4719

Connection motor	Bulk cable	Connection controller
RLK1301	INK0603	RLS0721/K04



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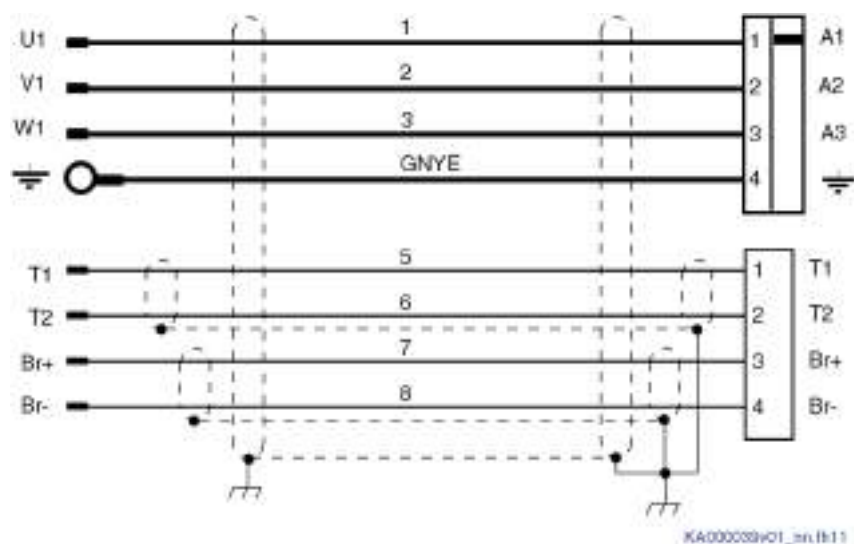
4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-278: Interconnection diagram RKL4719

Connection Cables

RKL4720

Connection motor	Bulk cable	Connection controller
RLK1301	INK0603	RLS0722/K04



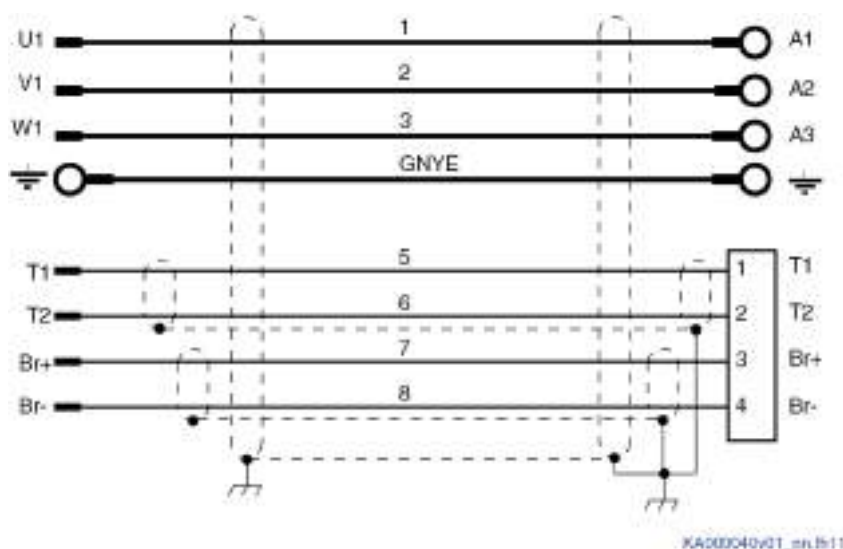
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4.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-279: Interconnection diagram RKL4720

RKL4721

Connection motor	Bulk cable	Connection controller
RLK1301	INK0603	RLS0723/K04



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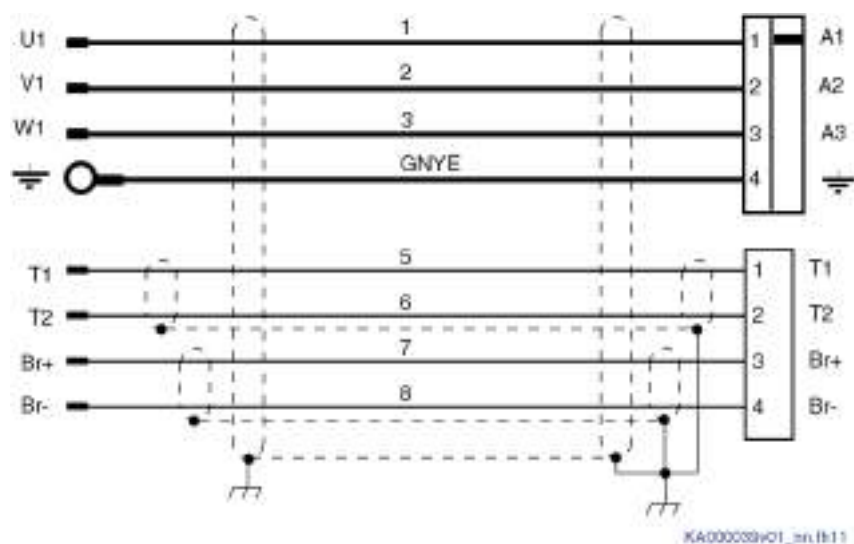
4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-280: Interconnection diagram RKL4721

Connection Cables

RKL4722

Connection motor	Bulk cable	Connection controller
RLK1301	INK0604	RLS0721/K06



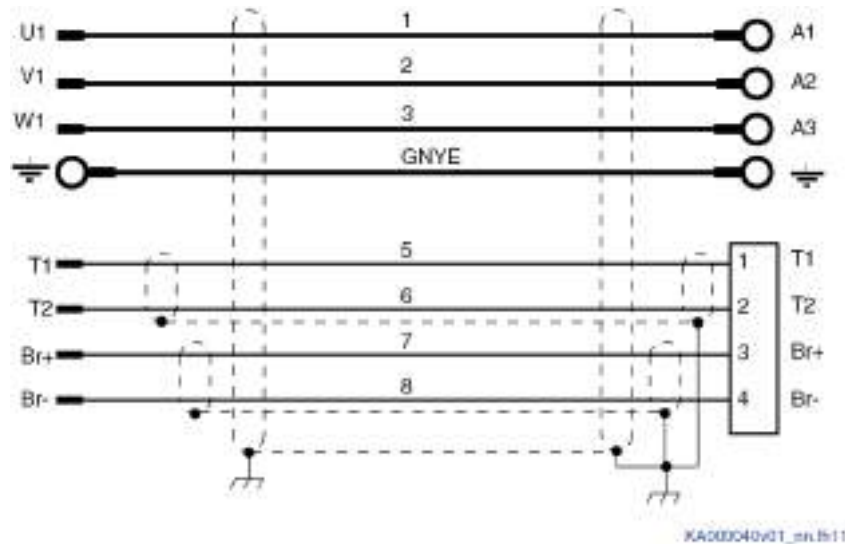
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6.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-281: Interconnection diagram RKL4722

RKL4723

Connection motor	Bulk cable	Connection controller
RLK1301	INK0604	RLS0723/K06



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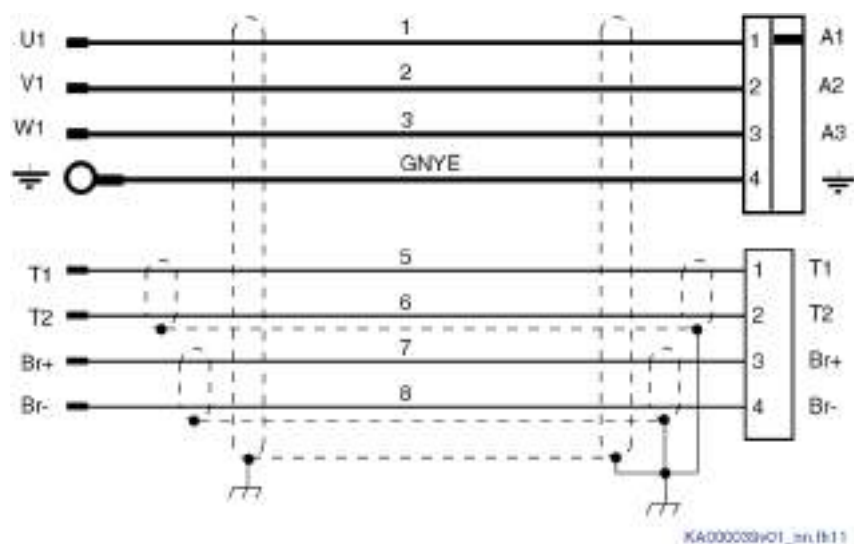
6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-282: Interconnection diagram RKL4723

Connection Cables

RKL4724

Connection motor	Bulk cable	Connection controller
RLK1301	INK0605	RLS0721/K10



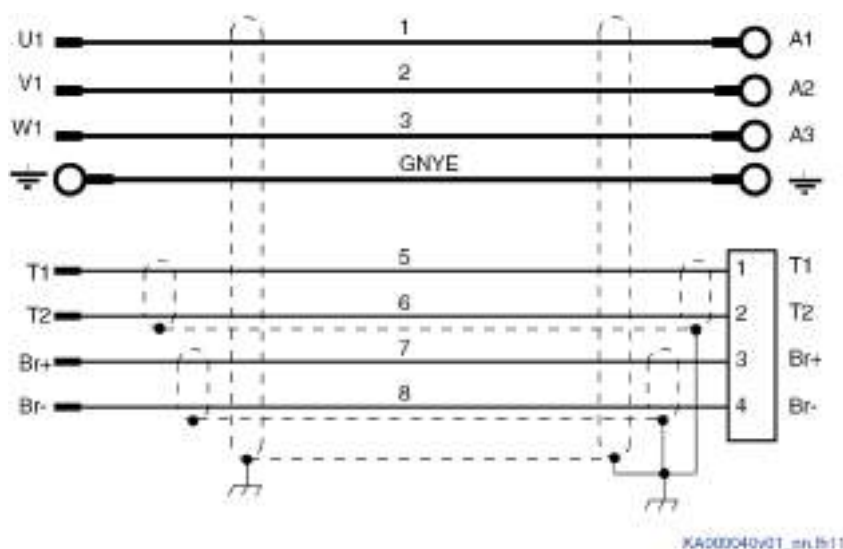
© Bosch Rexroth AG, 2013

10.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-283: Interconnection diagram RKL4724

RKL4725

Connection motor	Bulk cable	Connection controller
RLK1301	INK0605	RLS0723/K10



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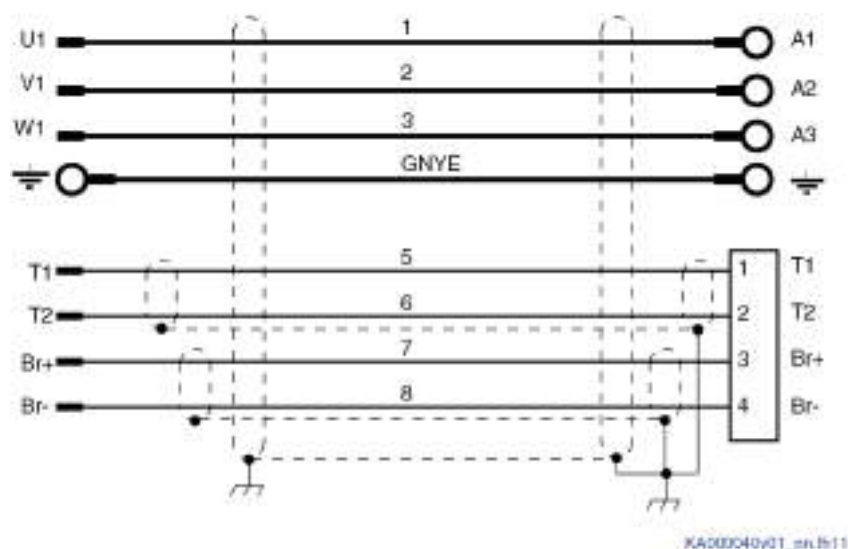
10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-284: Interconnection diagram RKL4725

Connection Cables

RKL4726

Connection motor	Bulk cable	Connection controller
RLK1301	INK0606	RLS0723/K16

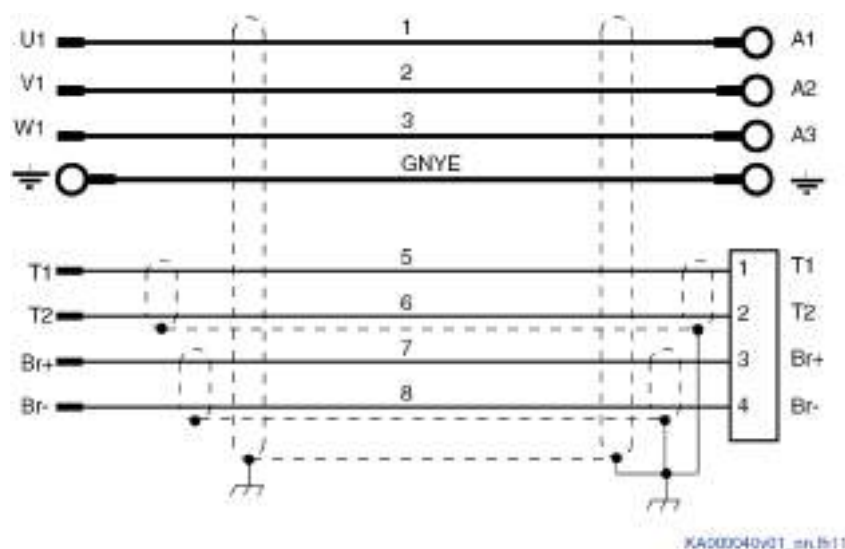


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16.0 mm² wires 1, 2, 3, GNYE
 1.5 mm² wires 5, 6, 7, 8
 Tab. 28-285: Interconnection diagram RKL4726

RKL4727

Connection motor	Bulk cable	Connection controller
RLK1301	INK0607	RLS0723/K25



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25.0 mm² wires 1, 2, 3, GNYE

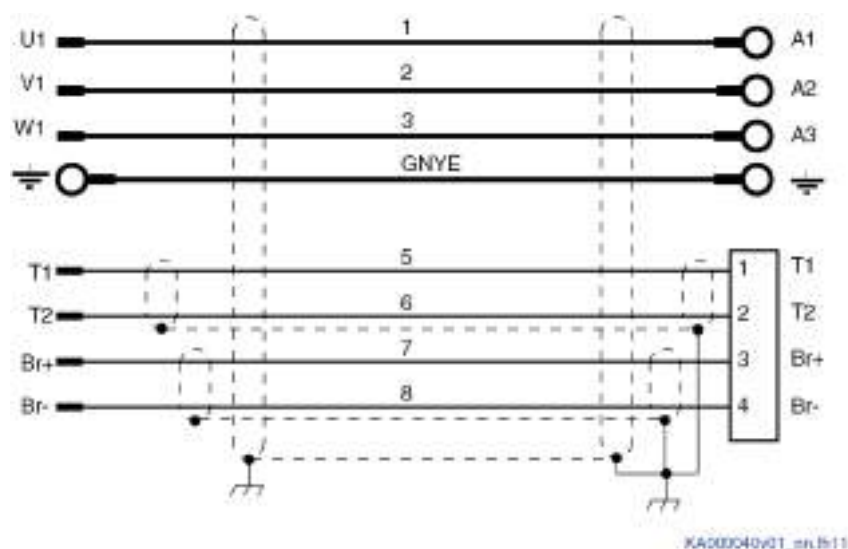
1.5 mm² wires 5, 6, 7, 8

Tab. 28-286: Interconnection diagram RKL4727

Connection Cables

RKL4728

Connection motor	Bulk cable	Connection controller
RLK1301	INK0607	RLS0724/K25



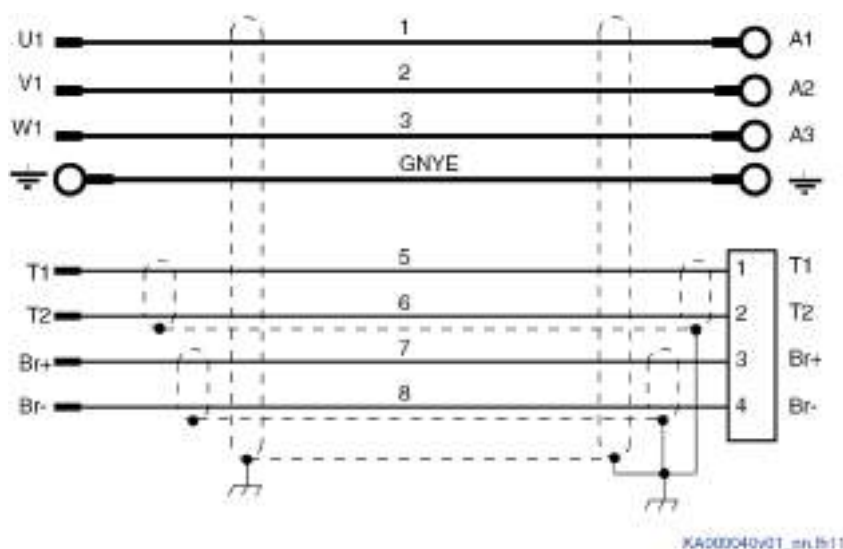
© Bosch Rexroth AG, 2013

25.0 mm² wires 1, 2, 3, GNYE**1.5 mm²** wires 5, 6, 7, 8

Tab. 28-287: Interconnection diagram RKL4728

RKL4729

Connection motor	Bulk cable	Connection controller
RLK1301	INK0667	RLS0723/K35



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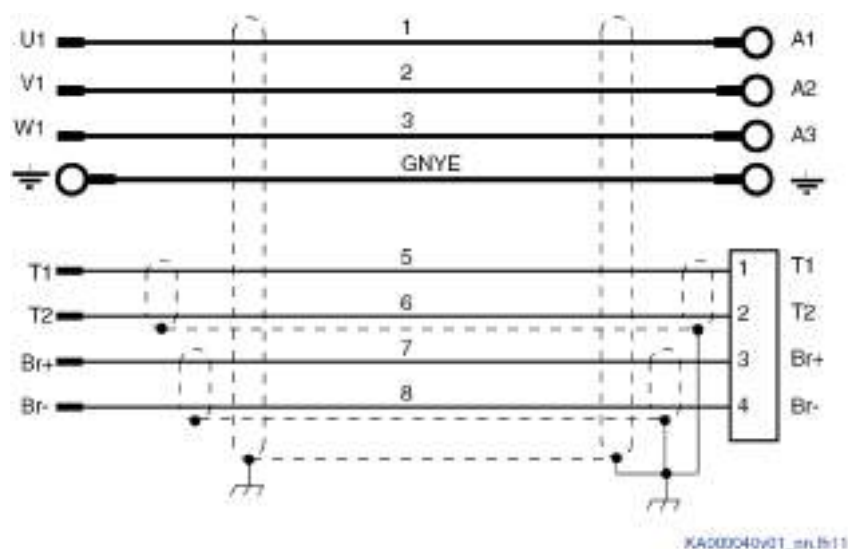
35.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-288: Interconnection diagram RKL4729

Connection Cables

RKL4730

Connection motor	Bulk cable	Connection controller
RLK1301	INK0667	RLS0724/K35



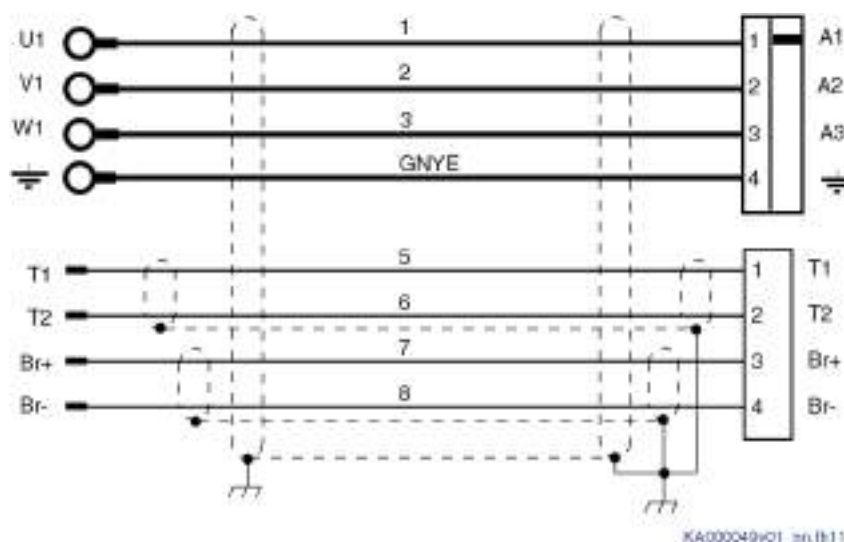
© Bosch Rexroth AG, 2013

35.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-289: Interconnection diagram RKL4730

RKL4731

Connection motor	Bulk cable	Connection controller
RLK1401	INK0604	RLS0721/K06



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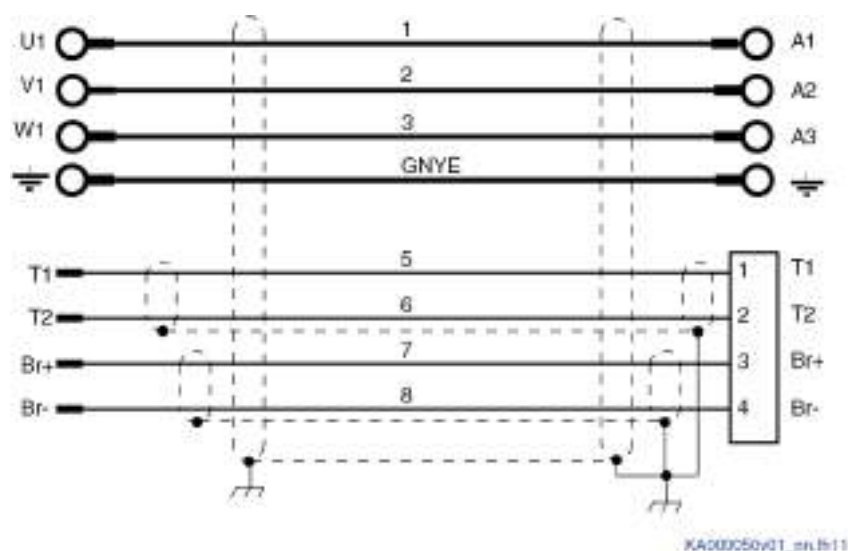
6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-290: Interconnection diagram RKL4731

Connection Cables

RKL4732

Connection motor	Bulk cable	Connection controller
RLK1401	INK0604	RLS0723/K06



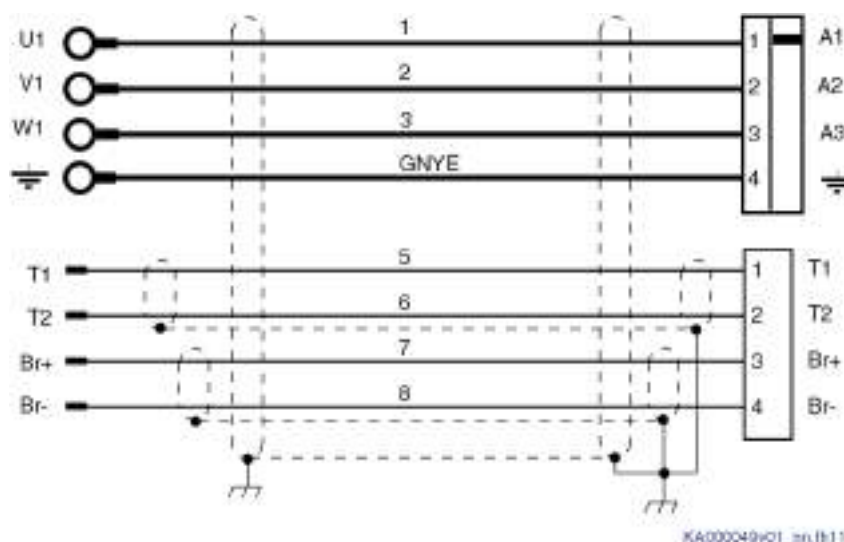
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6.0 mm² wires 1, 2, 3, GNYE**1.0 mm²** wires 5, 6**1.5 mm²** wires 7, 8

Tab. 28-291: Interconnection diagram RKL4732

RKL4733

Connection motor	Bulk cable	Connection controller
RLK1401	INK0605	RLS0721/K10



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10.0 mm² wires 1, 2, 3, GNYE

1.0 mm² wires 5, 6

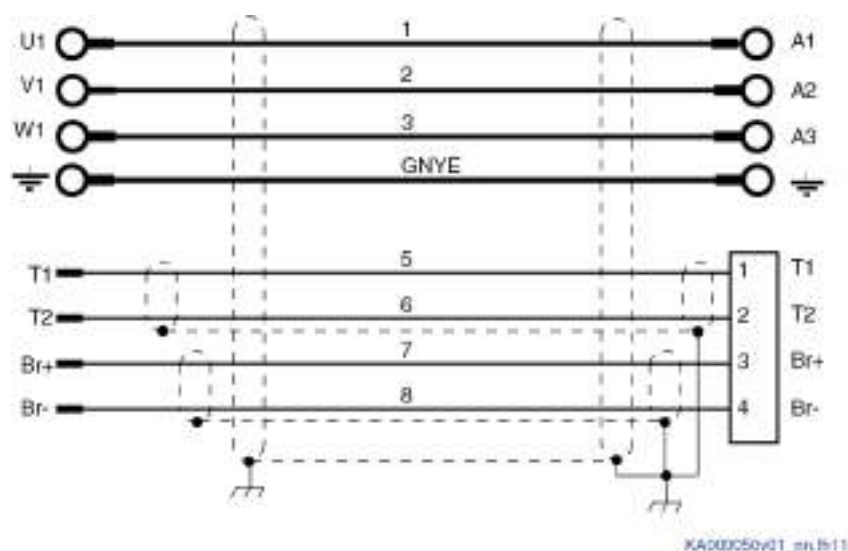
1.5 mm² wires 7, 8

Tab. 28-292: Interconnection diagram RKL4733

Connection Cables

RKL4734

Connection motor	Bulk cable	Connection controller
RLK1401	INK0605	RLS0723/K10



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10.0 mm² wires 1, 2, 3, GNYE1.0 mm² wires 5, 61.5 mm² wires 7, 8

Tab. 28-293: Interconnection diagram RKL4734

RKL4735

Connection motor

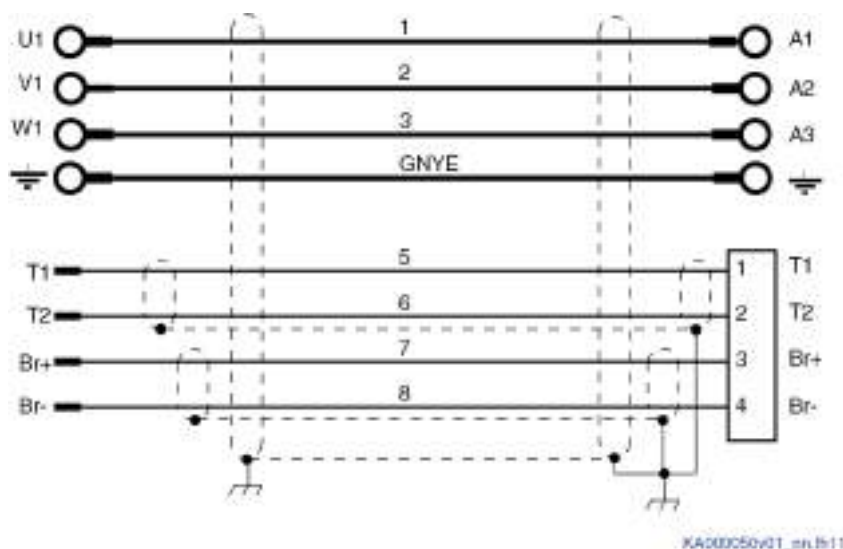
RLK1401

Bulk cable

INK0606

Connection controller

RLS0723/K16



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16.0 mm²

wires 1, 2, 3, GNYE

1.5 mm²

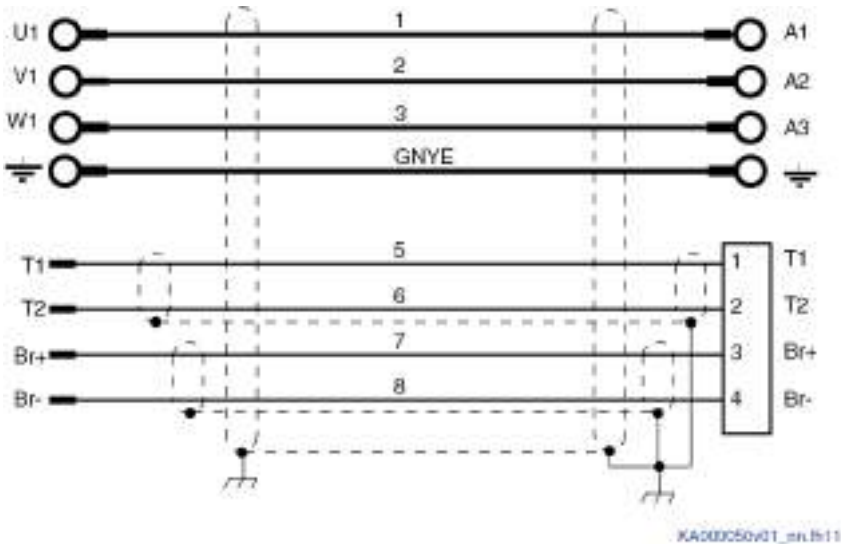
wires 5, 6, 7, 8

Tab. 28-294: Interconnection diagram RKL4735

Connection Cables

RKL4736

Connection motor	Bulk cable	Connection controller
RLK1401	INK0607	RLS0723/K25

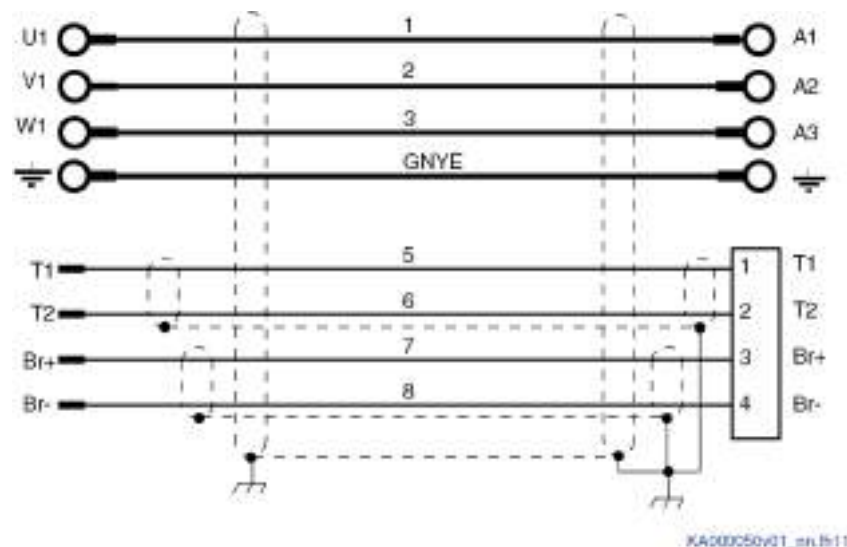


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25.0 mm²	wires 1, 2, 3, GNYE
1.5 mm²	wires 5, 6, 7, 8
Tab. 28-295:	Interconnection diagram RKL4736

RKL4737

Connection motor	Bulk cable	Connection controller
RLK1401	INK0607	RLS0724/K25



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25.0 mm² wires 1, 2, 3, GNYE

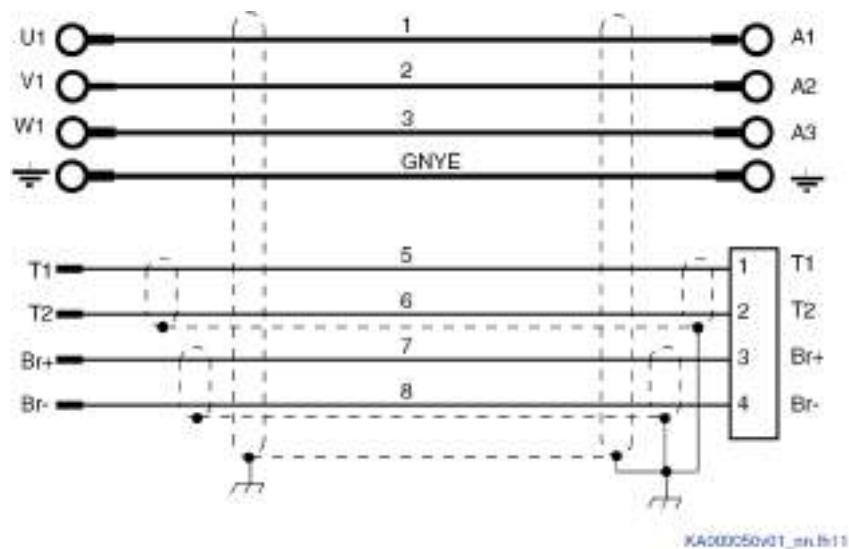
1.5 mm² wires 5, 6, 7, 8

Tab. 28-296: Interconnection diagram RKL4737

Connection Cables

RKL4738

Connection motor	Bulk cable	Connection controller
RLK1401	INK0668	RLS0723/K50

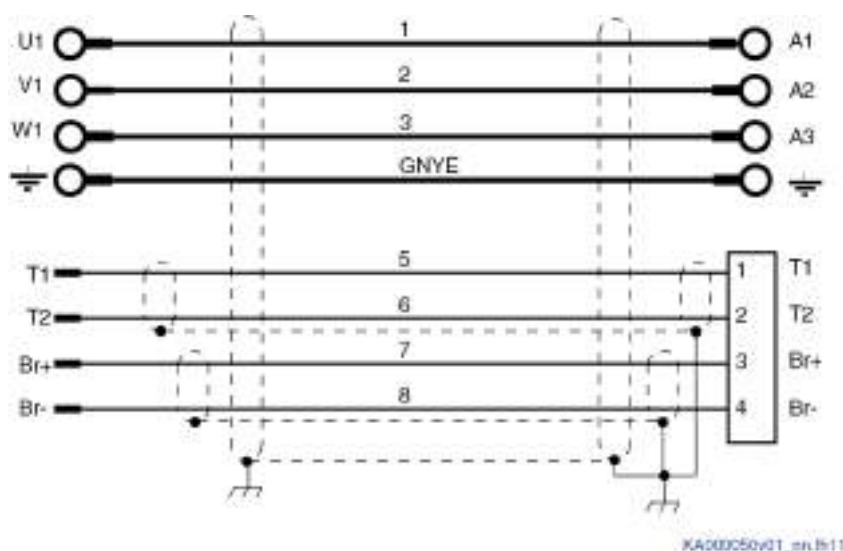


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50.0 mm² wires 1, 2, 3, GNYE
2.5 mm² wires 5, 6, 7, 8
Tab. 28-297: Interconnection diagram RKL4738

RKL4739

Connection motor	Bulk cable	Connection controller
RLK1401	INK0668	RLS0724/K50



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50.0 mm² wires 1, 2, 3, GNYE

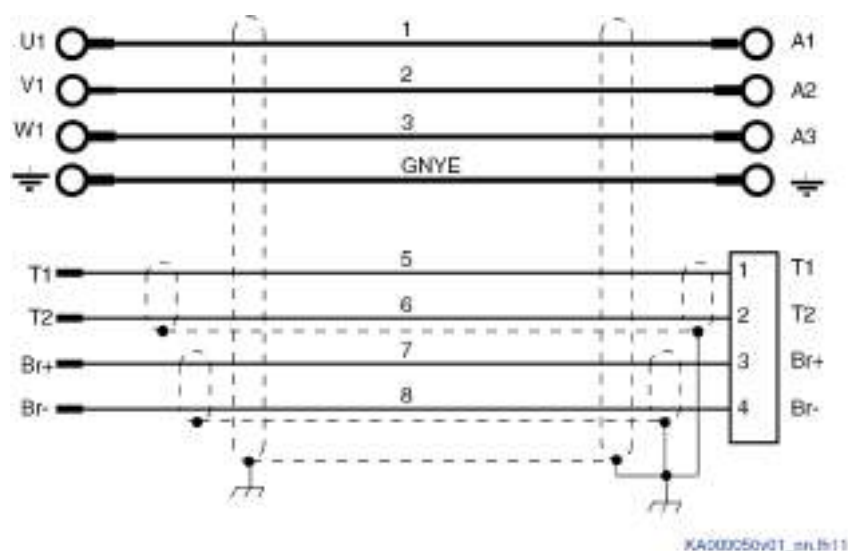
2.5 mm² wires 5, 6, 7, 8

Tab. 28-298: Interconnection diagram RKL4739

Connection Cables

RKL4740

Connection motor	Bulk cable	Connection controller
RLK1501	INK0606	RLS0723/K16

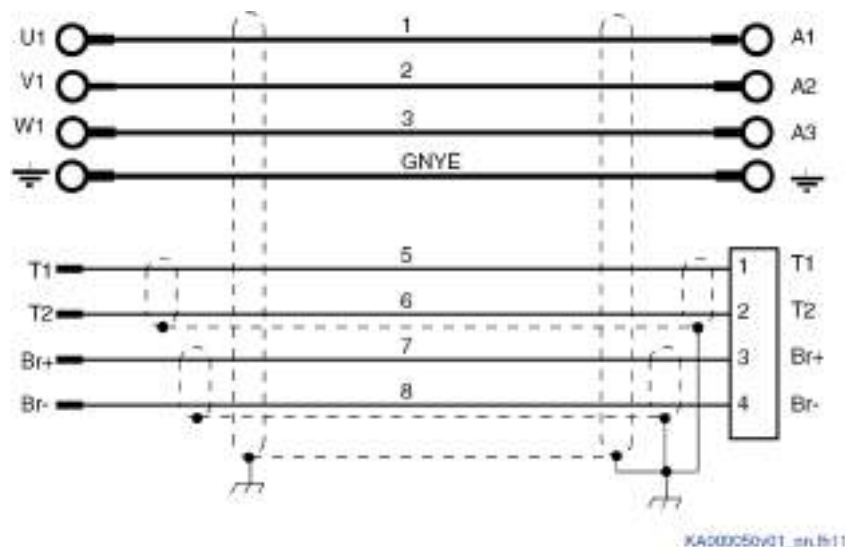


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16.0 mm² wires 1, 2, 3, GNYE
 1.5 mm² wires 5, 6, 7, 8
 Tab. 28-299: Interconnection diagram RKL4740

RKL4741

Connection motor	Bulk cable	Connection controller
RLK1501	INK0607	RLS0723/K25



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25.0 mm² wires 1, 2, 3, GNYE

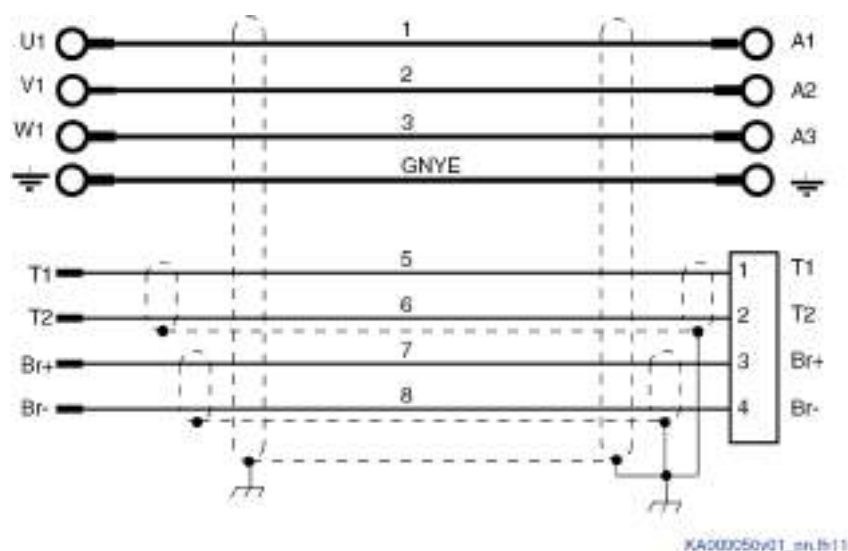
1.5 mm² wires 5, 6, 7, 8

Tab. 28-300: Interconnection diagram RKL4741

Connection Cables

RKL4742

Connection motor	Bulk cable	Connection controller
RLK1501	INK0607	RLS0724/K25



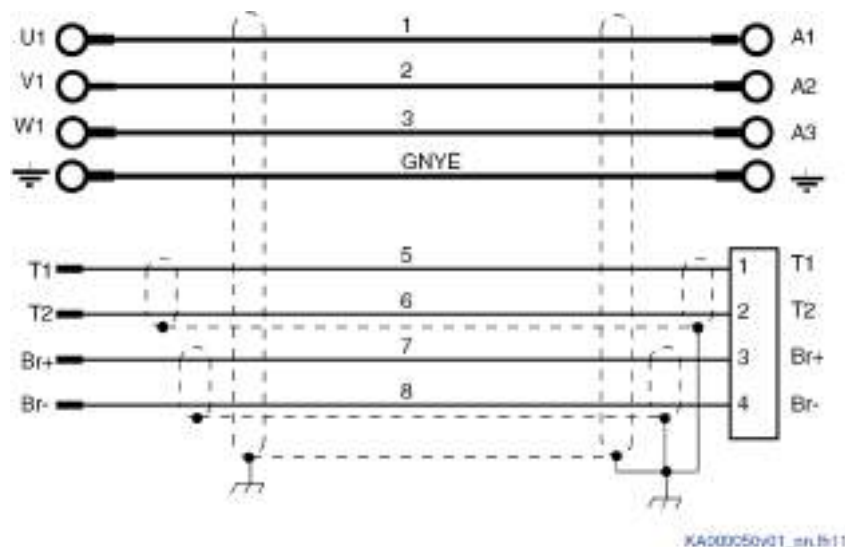
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25.0 mm² wires 1, 2, 3, GNYE**1.5 mm²** wires 5, 6, 7, 8

Tab. 28-301: Interconnection diagram RKL4742

RKL4743

Connection motor	Bulk cable	Connection controller
RLK1501	INK0667	RLS0723/K35



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35.0 mm² wires 1, 2, 3, GNYE

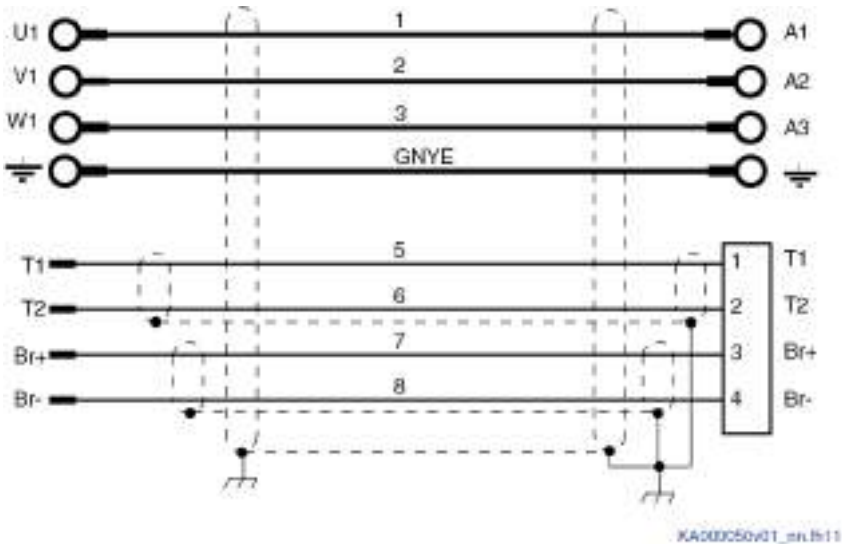
1.5 mm² wires 5, 6, 7, 8

Tab. 28-302: Interconnection diagram RKL4743

Connection Cables

RKL4744

Connection motor	Bulk cable	Connection controller
RLK1501	INK0667	RLS0724/K35

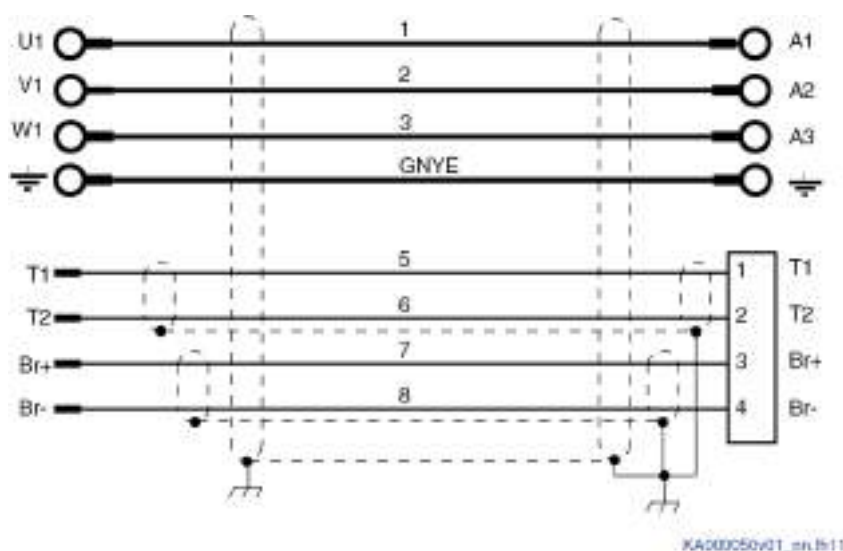


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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-303: Interconnection diagram RKL4744

RKL4745

Connection motor	Bulk cable	Connection controller
RLK1501	INK0668	RLS0723/K50



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50.0 mm² wires 1, 2, 3, GNYE

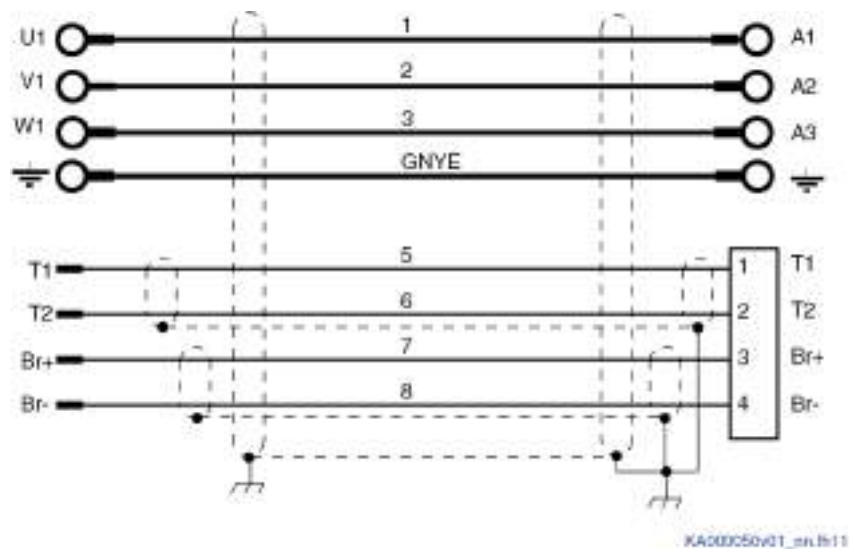
2.5 mm² wires 5, 6, 7, 8

Tab. 28-304: Interconnection diagram RKL4745

Connection Cables

RKL4746

Connection motor	Bulk cable	Connection controller
RLK1501	INK0668	RLS0724/K50



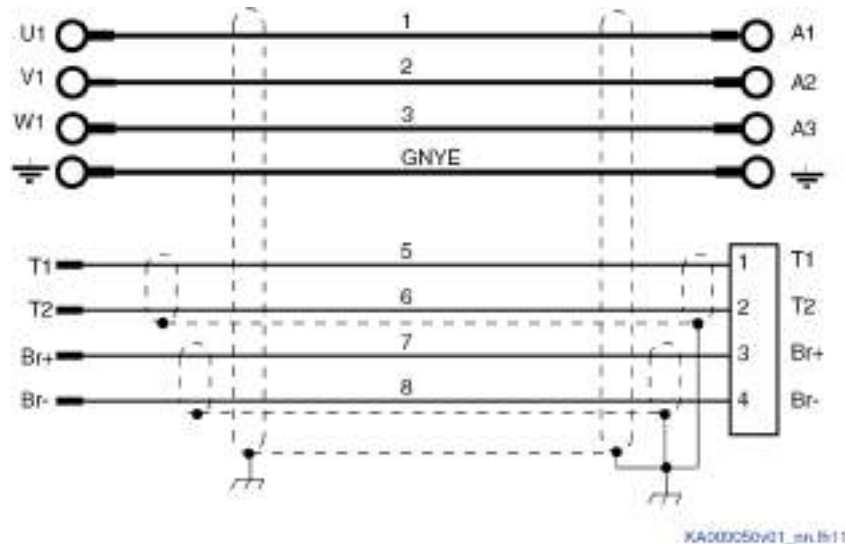
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50.0 mm²	wires 1, 2, 3, GNYE
2.5 mm²	wires 5, 6, 7, 8
Tab. 28-305:	Interconnection diagram RKL4746

Connection Cables

RKL4750

Connection motor	Bulk cable	Connection controller
RLK1401	INK0667	RLS0723/K35



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35.0 mm² wires 1, 2, 3, GNYE

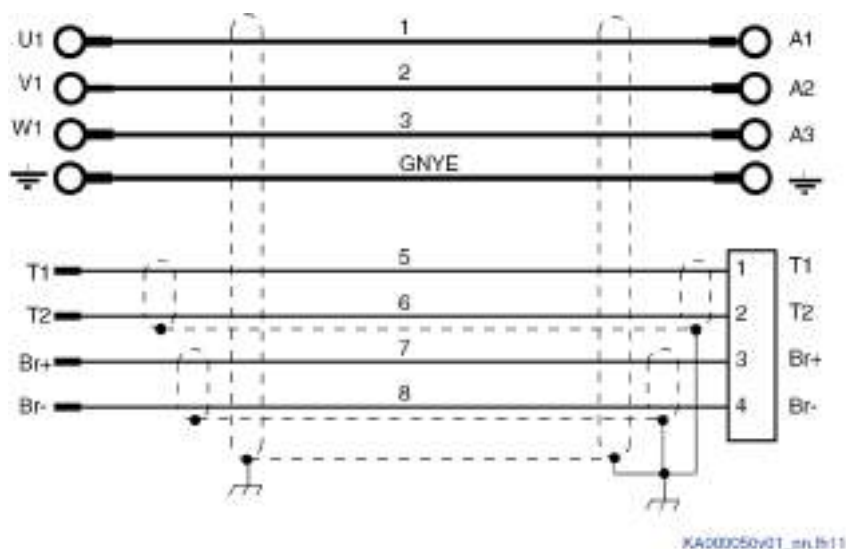
1.5 mm² wires 5, 6, 7, 8

Tab. 28-306: Parts RKL4750

Connection Cables

RKL4751

Connection motor	Bulk cable	Connection controller
RLK1401	INK0667	RLS0724/K35

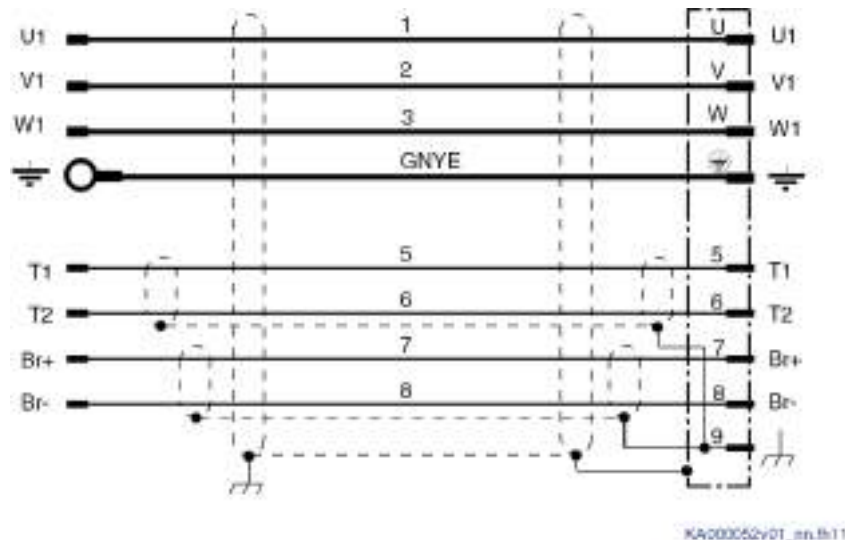


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35.0 mm² wires 1, 2, 3, GNYE
 1.5 mm² wires 5, 6, 7, 8
 Tab. 28-307: Interconnection diagram RKL4751

RKL4752

Connection motor	Bulk cable	Connection plug connector
RLK1201	INK0653	RLS1102/C02



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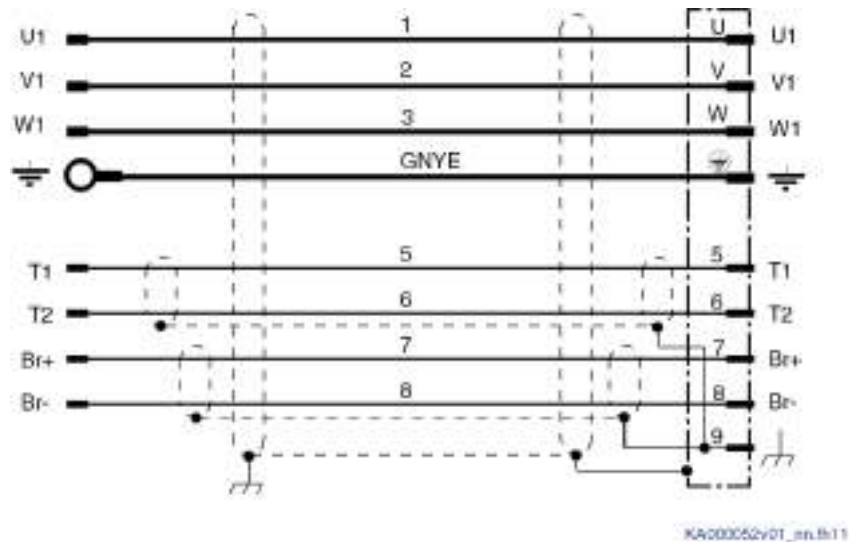
1.0 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8

Tab. 28-308: Interconnection diagram RKL4752

Connection Cables

RKL4753

Connection motor	Bulk cable	Connection plug connector
RLK1201	INK0650	RLS1102/C02

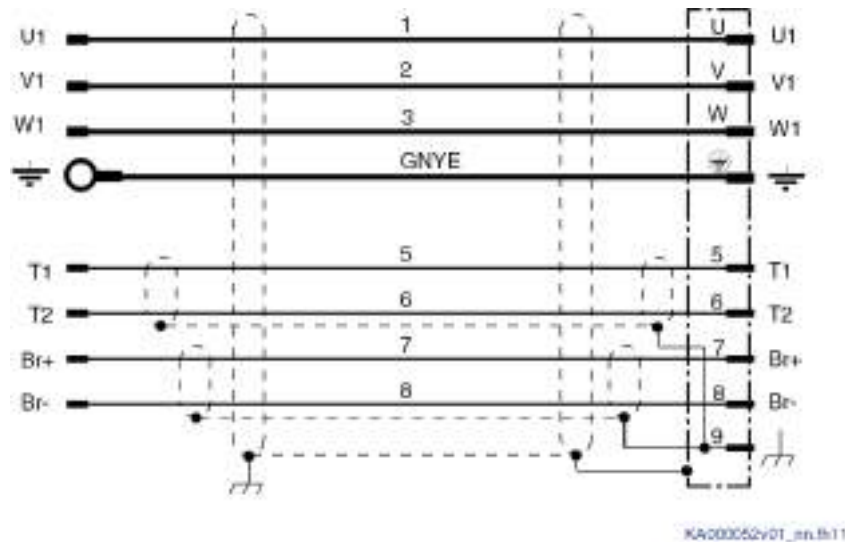


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1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8
Tab. 28-309: Interconnection diagram RKL4753

RKL4754

Connection motor	Bulk cable	Connection plug connector
RLK1201	INK0602	RLS1202/C04



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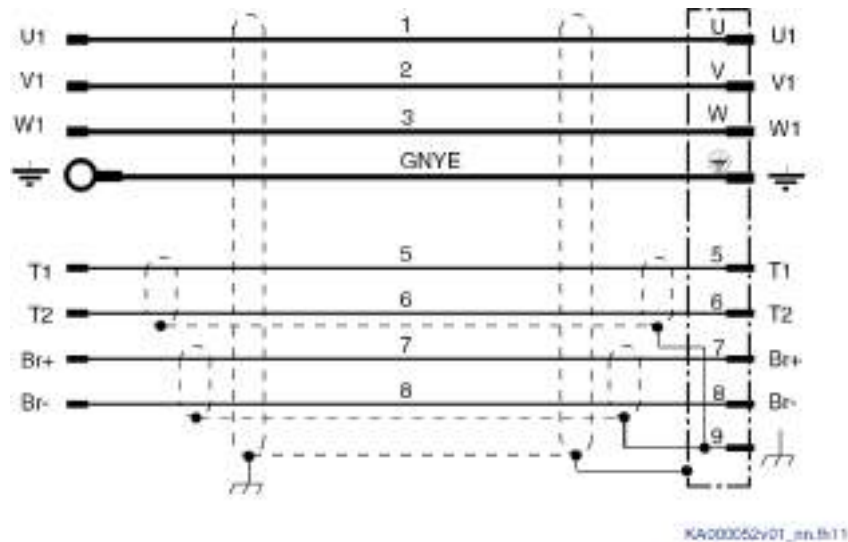
2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8

Tab. 28-310: Interconnection diagram RKL4754

Connection Cables

RKL4755

Connection motor	Bulk cable	Connection plug connector
RLK1201	INK0603	RLS1202/C04

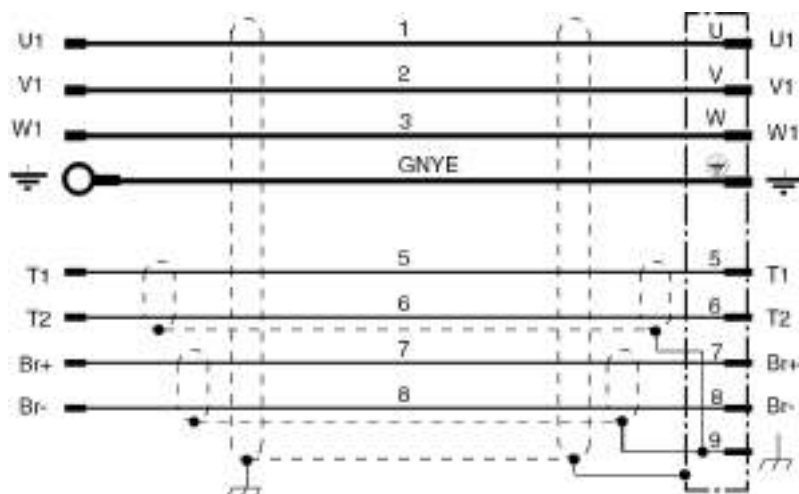


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4.0 mm²	wires 1, 2, 3, GNYE
1.0 mm²	wires 5, 6
1.5 mm²	wires 7, 8
Tab. 28-311: Interconnection diagram RKL4755	

RKL4756

Connection motor	Bulk cable	Connection plug connector
RLK1201	INK0604	RLS1202/C06



KA000052v01_en.fm.11

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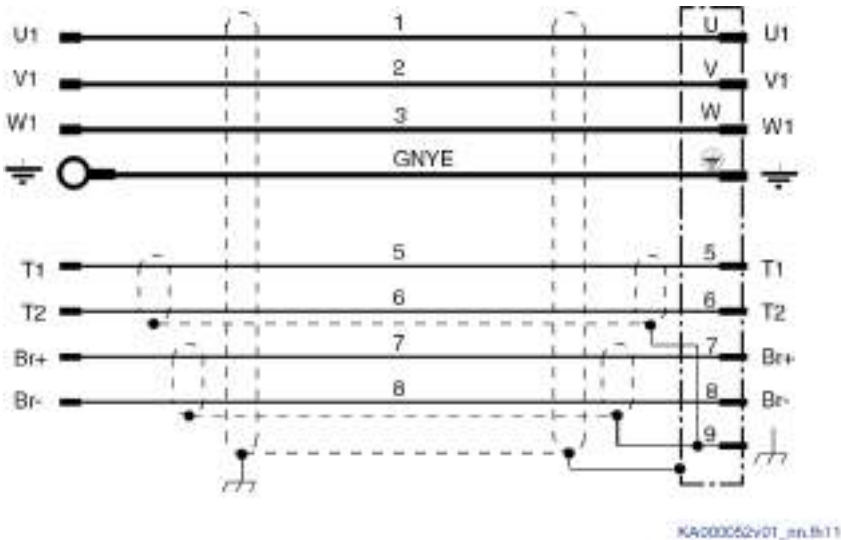
6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-312: Interconnection diagram RKL4756

Connection Cables

RKL4757

Connection motor	Bulk cable	Connection plug connector
RLK1201	INK0605	RLS1202/C10

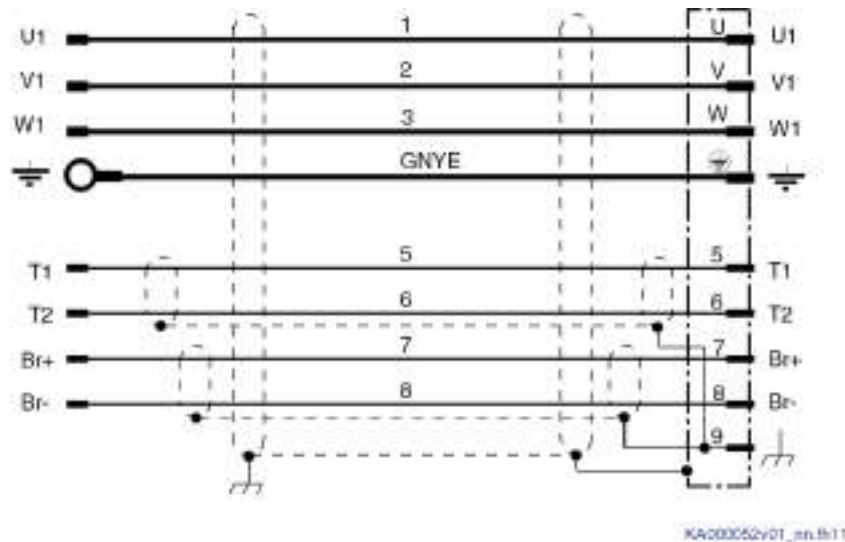


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10.0 mm ²	wires 1, 2, 3, GNYE
1.0 mm ²	wires 5, 6
1.5 mm ²	wires 7, 8
Tab. 28-313: Interconnection diagram RKL4757	

RKL4758

Connection motor	Bulk cable	Connection plug connector
RLK1301	INK0650	RLS1102/C02



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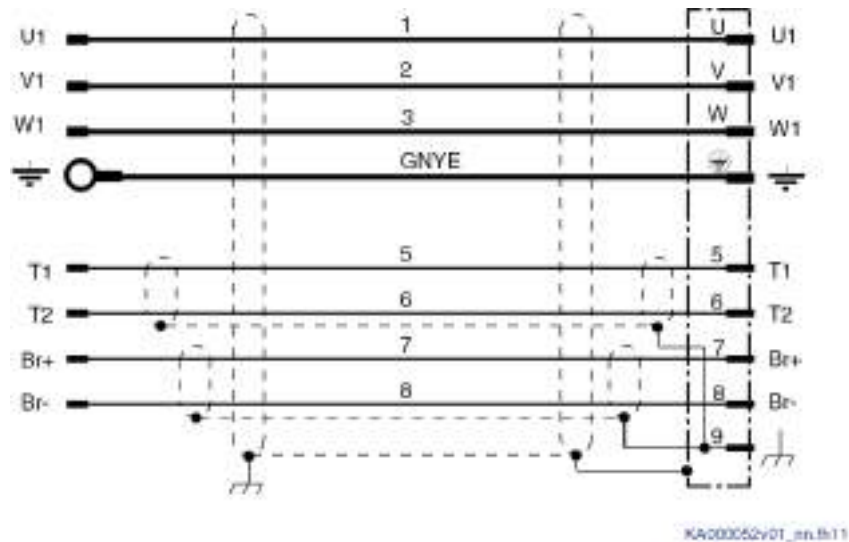
1.5 mm² wires 1, 2, 3, GNYE
0.75 mm² wires 5, 6, 7, 8

Tab. 28-314: Interconnection diagram RKL4758

Connection Cables

RKL4759

Connection motor	Bulk cable	Connection plug connector
RLK1301	INK0602	RLS1202/C04

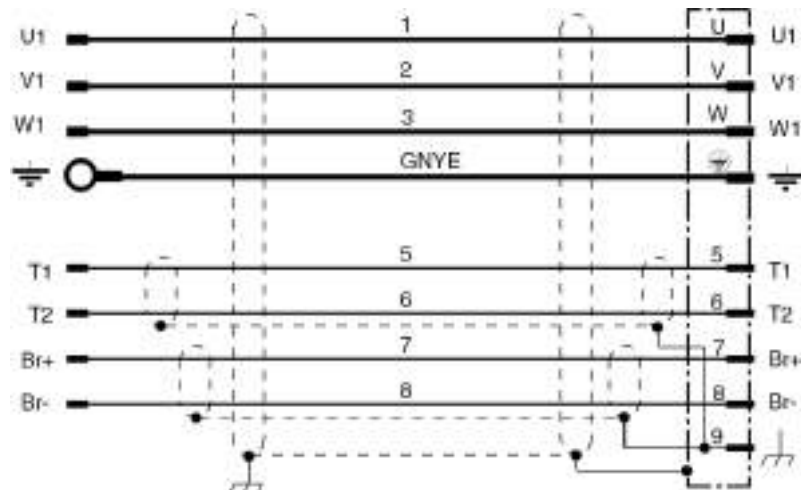


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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-315: Interconnection diagram RKL4759

RKL4760

Connection motor	Bulk cable	Connection plug connector
RLK1301	INK0603	RLS1202/C04



KA000052v01_en.b11

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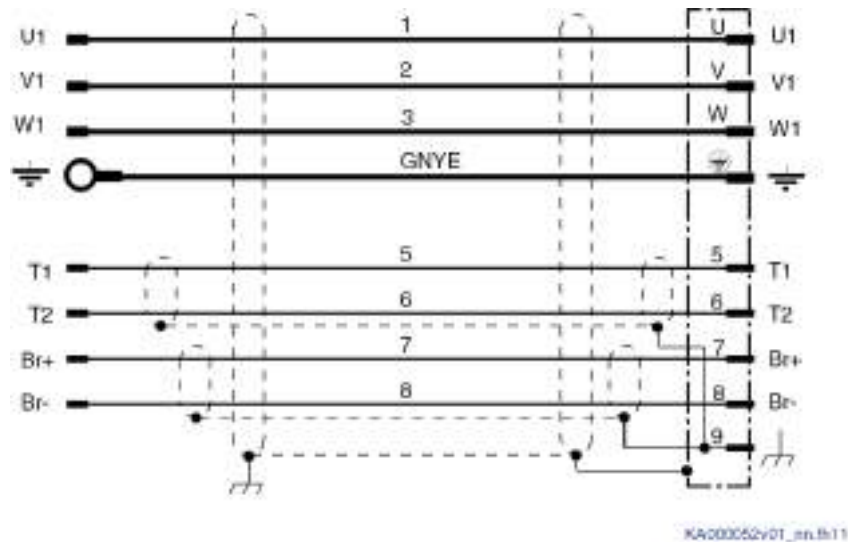
4.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-316: Interconnection diagram RKL4760

Connection Cables

RKL4761

Connection motor	Bulk cable	Connection plug connector
RLK1301	INK0604	RLS1202/C06

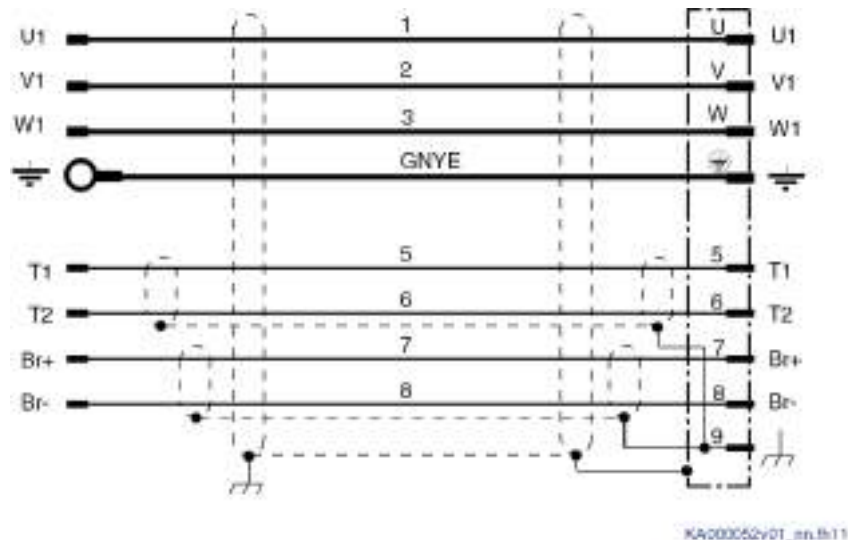


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6.0 mm²	wires 1, 2, 3, GNYE
1.0 mm²	wires 5, 6
1.5 mm²	wires 7, 8
Tab. 28-317: Interconnection diagram RKL4761	

RKL4762

Connection motor	Bulk cable	Connection plug connector
RLK1301	INK0605	RLS1302/C10



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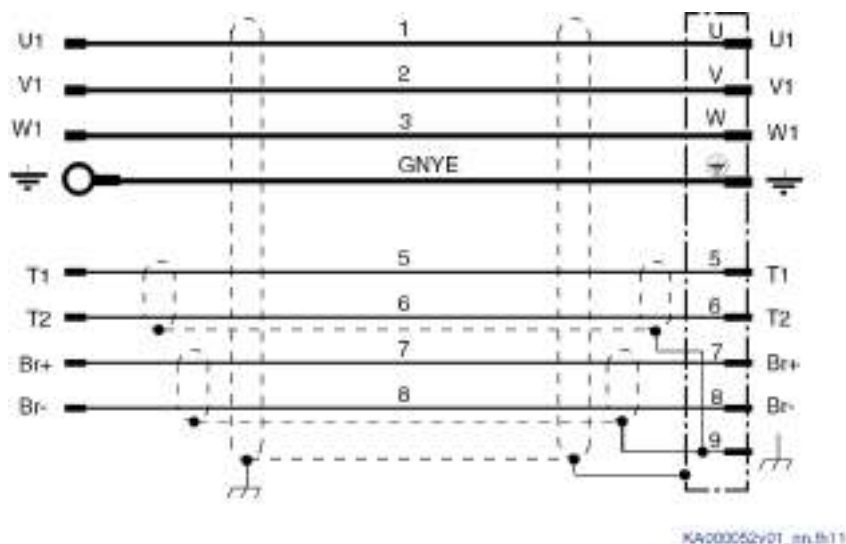
10.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-318: Interconnection diagram RKL4762

Connection Cables

RKL4763

Connection motor	Bulk cable	Connection plug connector
RLK1301	INK0606	RLS1302/C16



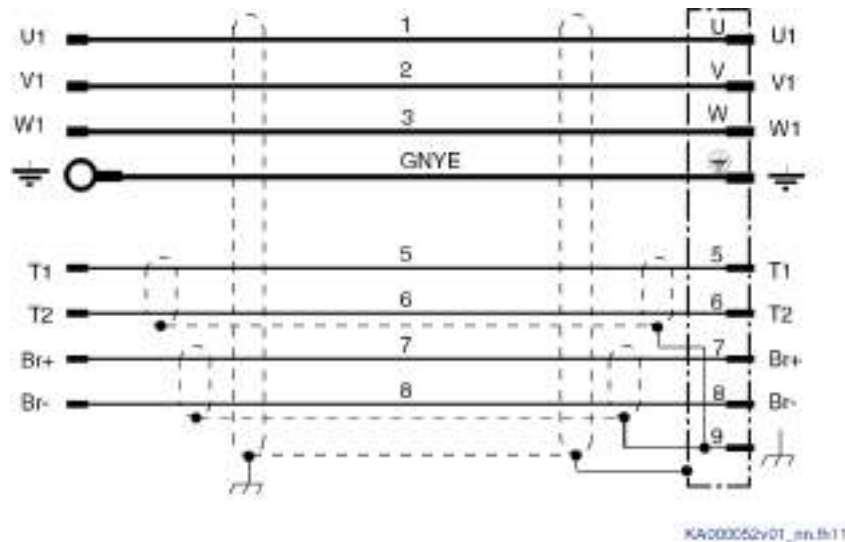
© Bosch Rexroth AG, 2013

16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8

Tab. 28-319: Interconnection diagram RKL4763

RKL4764

Connection motor	Bulk cable	Connection plug connector
RLK1301	INK0607	RLS1302/C25



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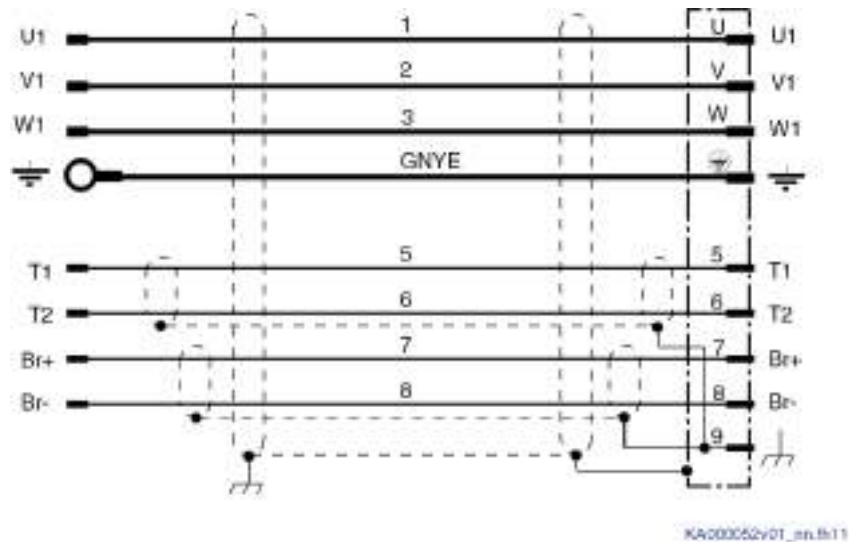
25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8

Tab. 28-320: Interconnection diagram RKL4764

Connection Cables

RKL4765

Connection motor	Bulk cable	Connection plug connector
RLK1301	INK0667	RLS1302/C35

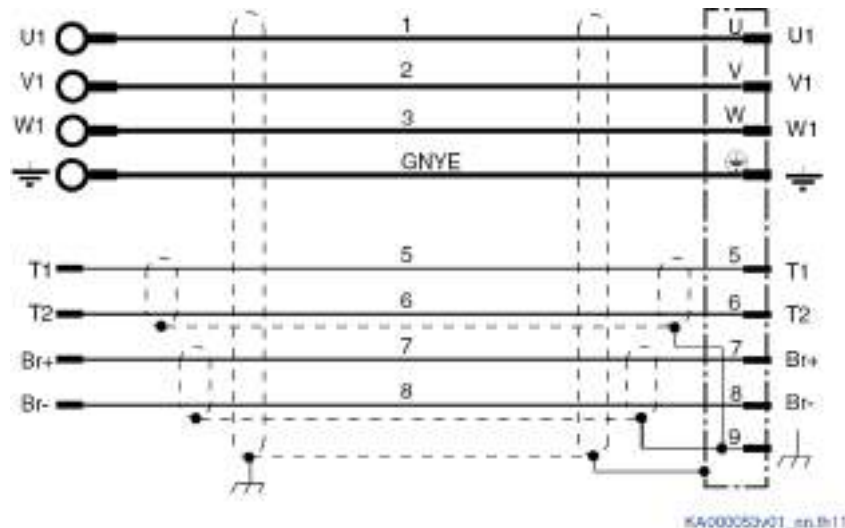


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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-321: Interconnection diagram RKL4765

RKL4766

Connection motor	Bulk cable	Connection plug connector
RLK1401	INK0604	RLS1202/C06



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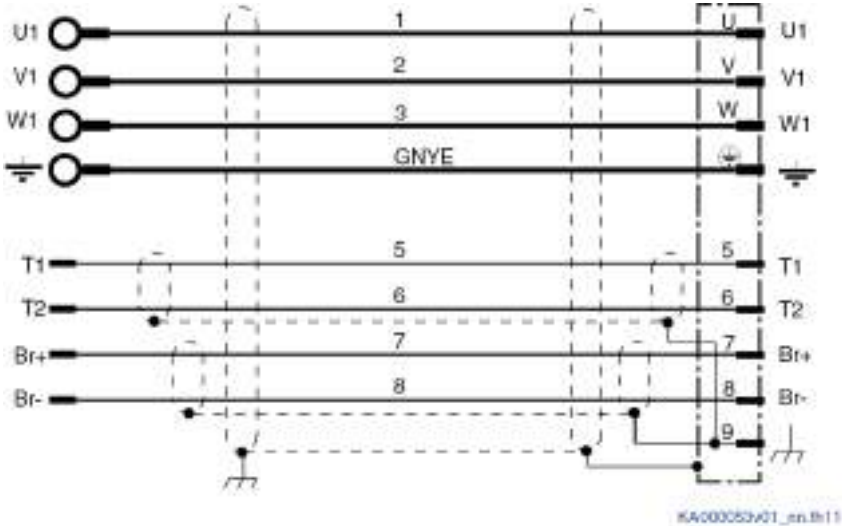
6.0 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6
1.5 mm² wires 7, 8

Tab. 28-322: Interconnection diagram RKL4766

Connection Cables

RKL4767

Connection motor	Bulk cable	Connection plug connector
RLK1401	INK0605	RLS1302/C10

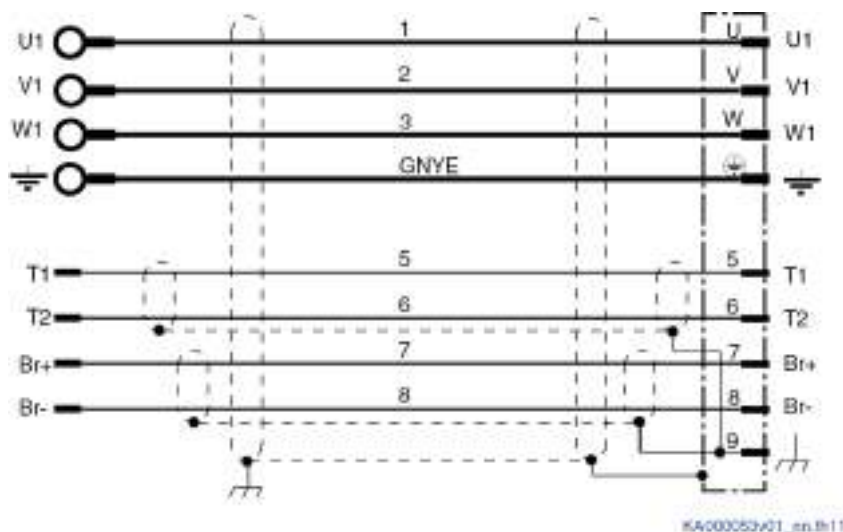


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10.0 mm²	wires 1, 2, 3, GNYE
1.0 mm²	wires 5, 6
1.5 mm²	wires 7, 8
Tab. 28-323: Interconnection diagram RKL4767	

RKL4768

Connection motor	Bulk cable	Connection plug connector
RLK1401	INK0606	RLS1302/C16



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16.0 mm² wires 1, 2, 3, GNYE

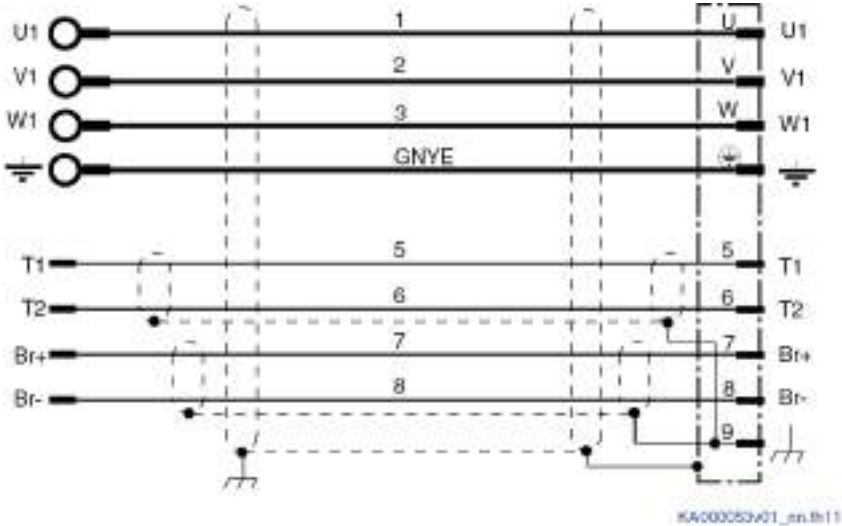
1.5 mm² wires 5, 6, 7, 8

Tab. 28-324: Interconnection diagram RKL4768

Connection Cables

RKL4769

Connection motor	Bulk cable	Connection plug connector
RLK1401	INK0607	RLS1302/C25

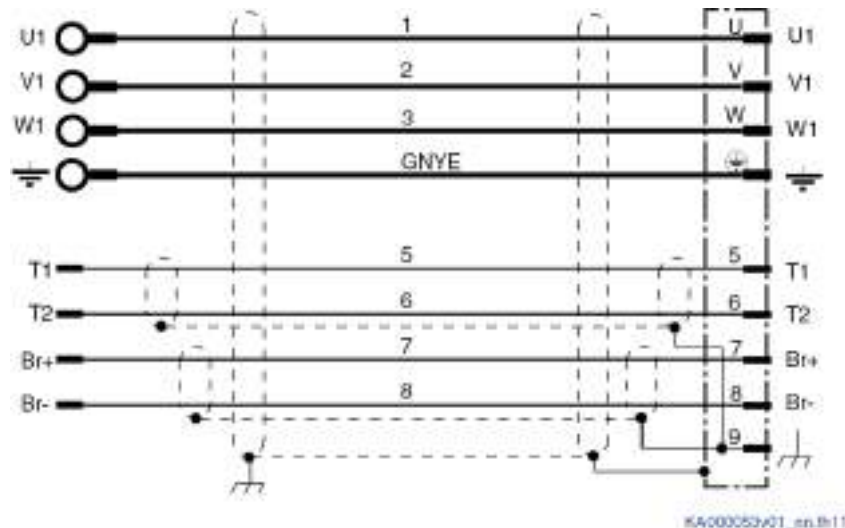


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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-325: Interconnection diagram RKL4769

RKL4770

Connection motor	Bulk cable	Connection plug connector
RLK1401	INK0667	RLS1302/C35



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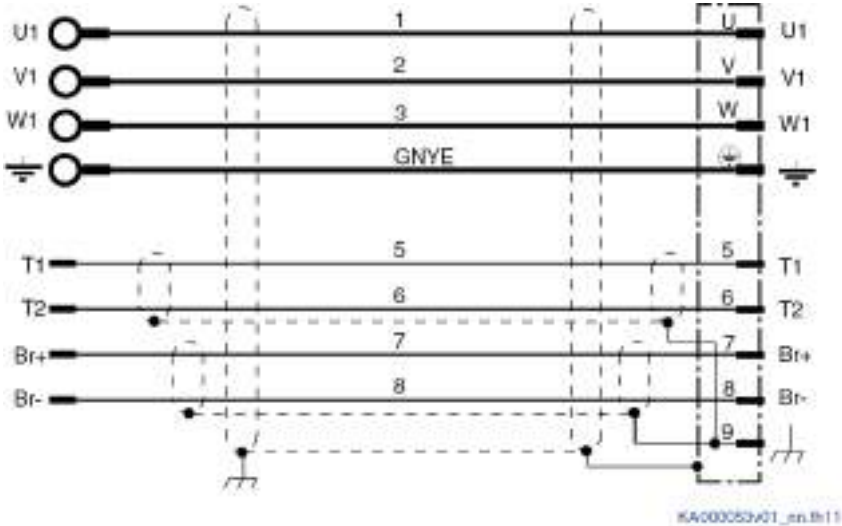
35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8

Tab. 28-326: Interconnection diagram RKL4770

Connection Cables

RKL4771

Connection motor	Bulk cable	Connection plug connector
RLK1501	INK0606	RLS1302/C16

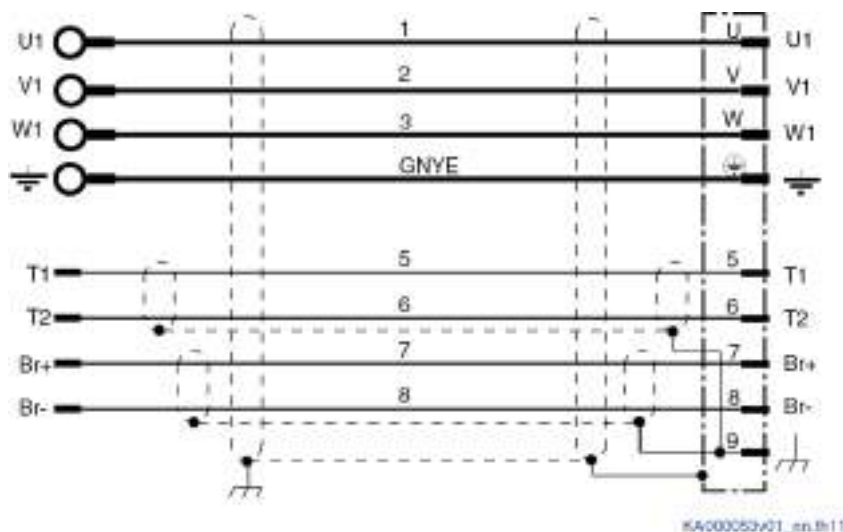


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16.0 mm² wires 1, 2, 3, GNYE
 1.5 mm² wires 5, 6, 7, 8
 Tab. 28-327: Interconnection diagram RKL4771

RKL4772

Connection motor	Bulk cable	Connection plug connector
RLK1501	INK0607	RLS1302/C25



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25.0 mm²

wires 1, 2, 3, GNYE

1.5 mm²

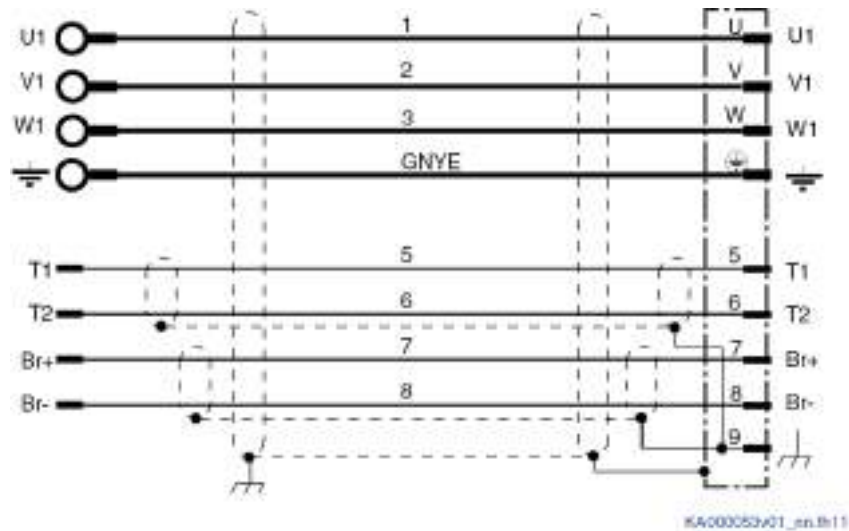
wires 5, 6, 7, 8

Tab. 28-328: Interconnection diagram RKL4772

Connection Cables

RKL4773

Connection motor	Bulk cable	Connection plug connector
RLK1501	INK0667	RLS1302/C35



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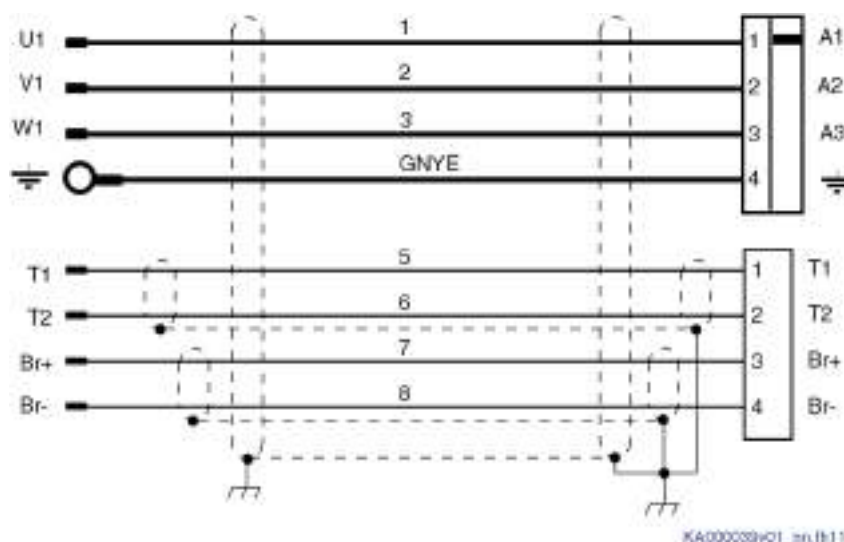
35.0 mm² wires 1, 2, 3, GNYE
 1.5 mm² wires 5, 6, 7, 8
 Tab. 28-329: Interconnection diagram RKL4773

RKL4774

Connection motor
RLK1201

Bulk cable
INK0606

Connection controller
RLS0721/K16



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16.0 mm² wires 1, 2, 3, GNYE

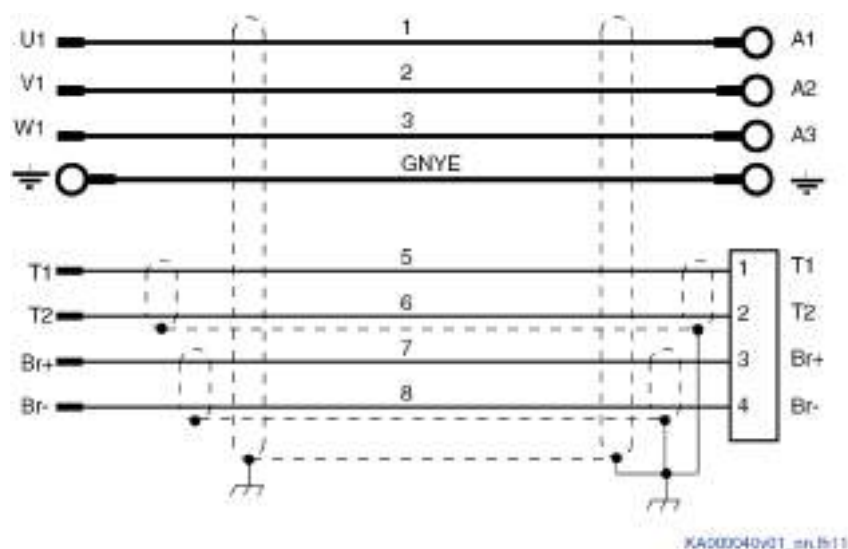
1.5 mm² wires 5, 6, 7, 8

Tab. 28-330: Interconnection diagram RKL4774

Connection Cables

RKL4775

Connection motor	Bulk cable	Connection controller
RLK1201	INK0606	RLS0723/K16



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16.0 mm² wires 1, 2, 3, GNYE**1.5 mm²** wires 5, 6, 7, 8

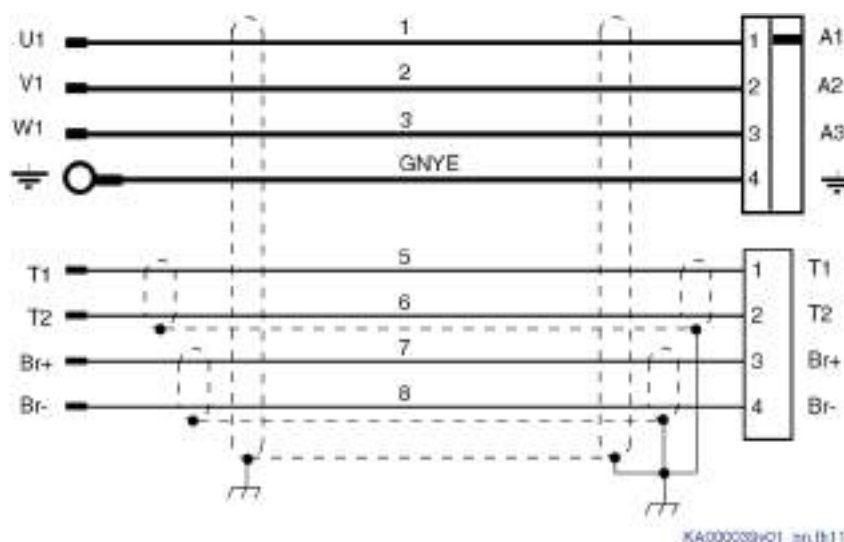
Tab. 28-331: Interconnection diagram RKL4775

RKL4776

Connection motor
RLK1301

Bulk cable
INK0606

Connection controller
RLS0721/K16



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16.0 mm² wires 1, 2, 3, GNYE

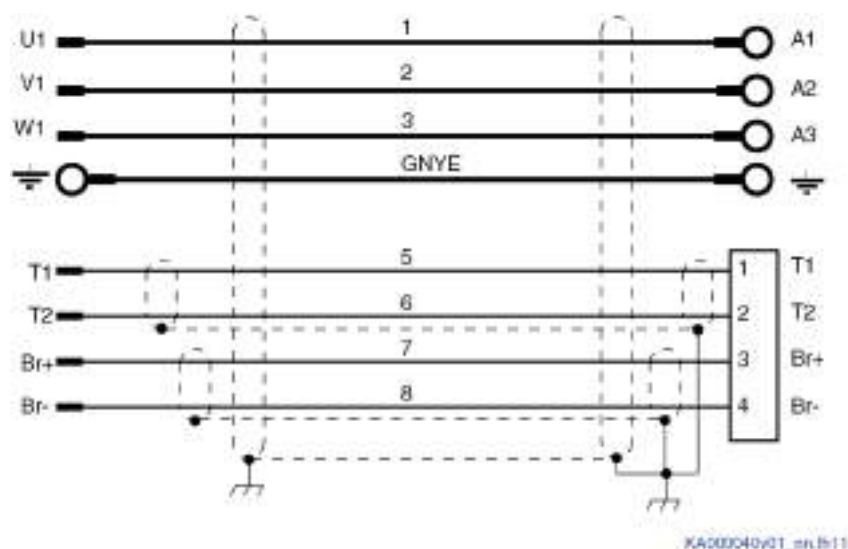
1.5 mm² wires 5, 6, 7, 8

Tab. 28-332: Interconnection diagram RKL4776

Connection Cables

RKL4777

Connection motor	Bulk cable	Connection controller
RLK1301	INK0606	RLS0724/K16



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16.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-333: Interconnection diagram RKL4777

RKL4778

Connection motor

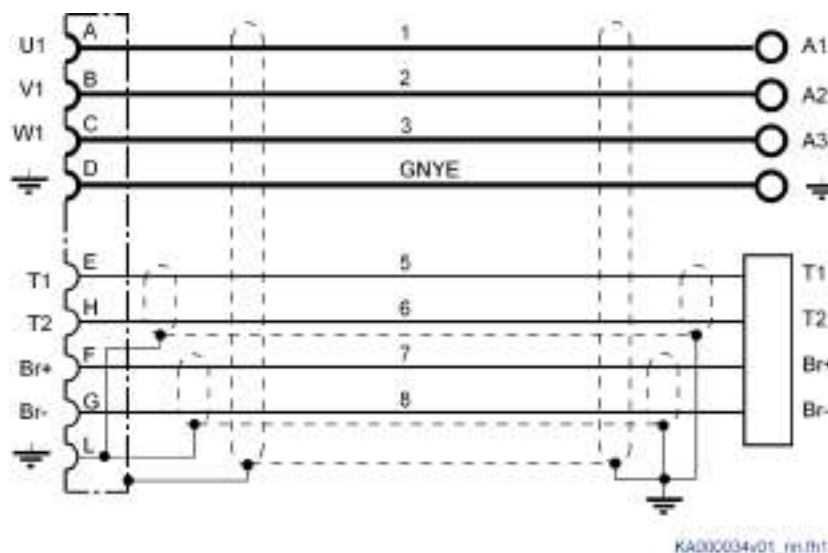
INS0381

Bulk cable

INK0667

Connection controller

RLS0727/K35



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35.0 mm² wires 1, 2, 3, GNYE

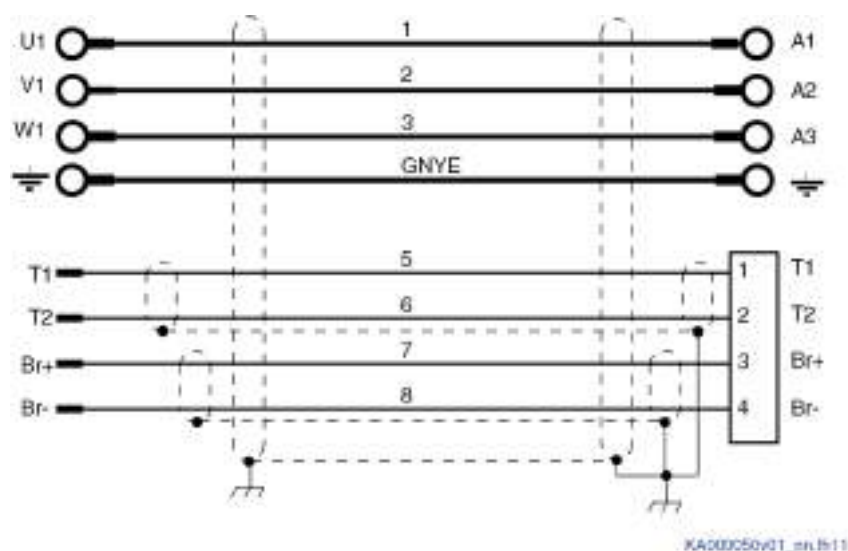
1.5 mm² wires 5, 6, 7, 8

Tab. 28-334: Interconnection diagram RKL4778

Connection Cables

RKL4779

Connection motor	Bulk cable	Connection controller
RLK1301	INK0667	RLS0727/K35

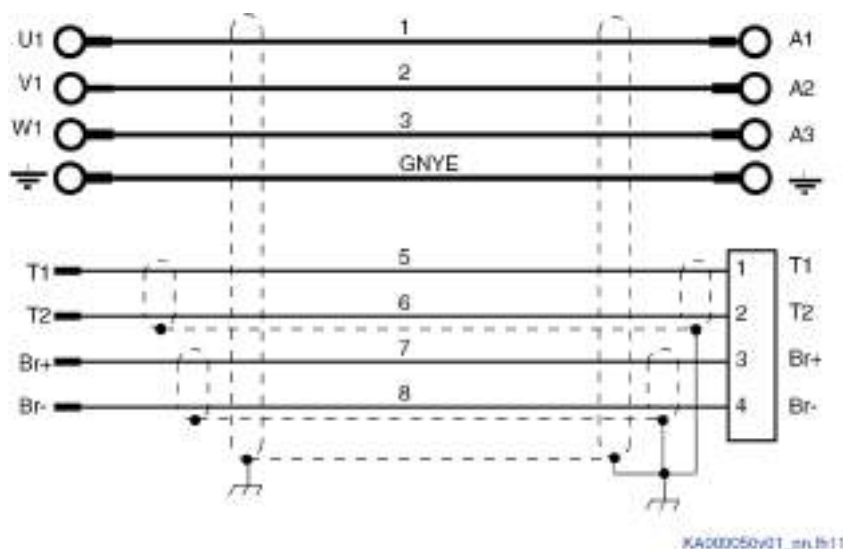


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35.0 mm² wires 1, 2, 3, GNYE
 1.5 mm² wires 5, 6, 7, 8
 Tab. 28-335: Interconnection diagram RKL4779

RKL4780

Connection motor	Bulk cable	Connection controller
RLK1501	INK0667	RLS0727/K35



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35.0 mm² wires 1, 2, 3, GNYE

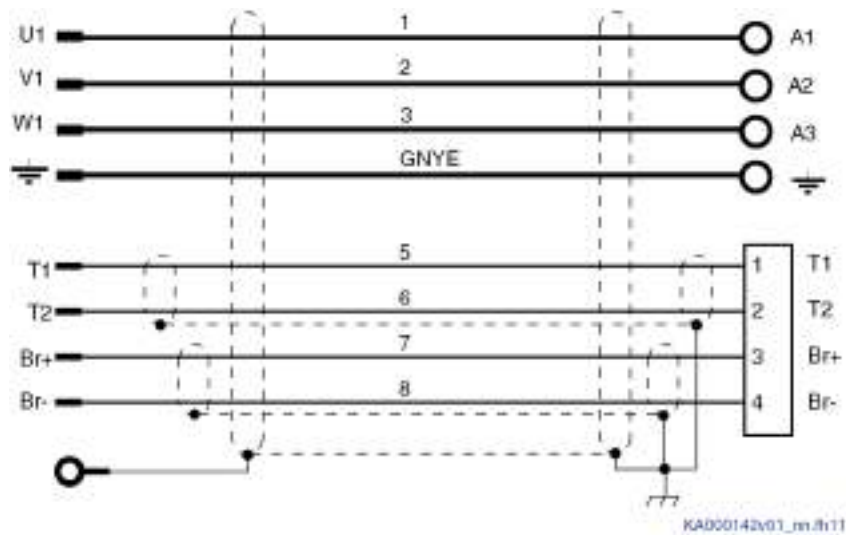
1.5 mm² wires 5, 6, 7, 8

Tab. 28-336: Interconnection diagram RKL4780

Connection Cables

RKL4781

Connection motor	Bulk cable	Connection controller
WEF/RKS	INK0602	RLS0723/K03

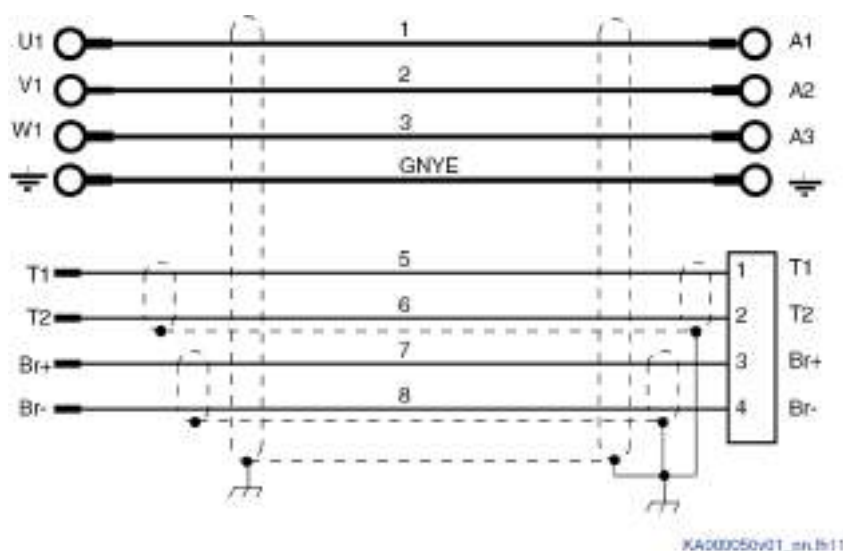


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2.5 mm² wires 1, 2, 3, GNYE
1.0 mm² wires 5, 6, 7, 8
Tab. 28-337: Interconnection diagram RKL4781

RKL4782

Connection motor	Bulk cable	Connection controller
RLK1501	INK0668	RLS0727/K50



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50.0 mm² wires 1, 2, 3, GNYE

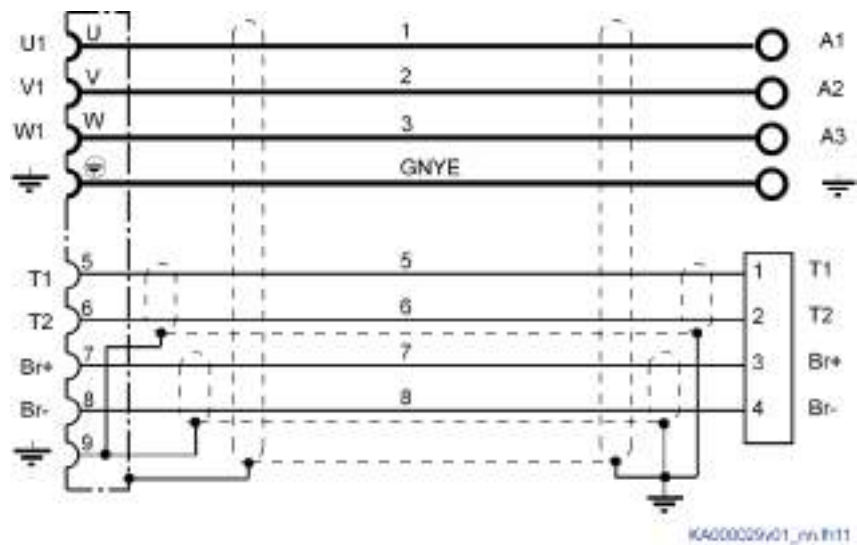
2.5 mm² wires 5, 6, 7, 8

Tab. 28-338: Interconnection diagram RKL4782

Connection Cables

RKL4783

Connection motor	Bulk cable	Connection controller
RLS1301/C35	INK0667	RLS0727/K35

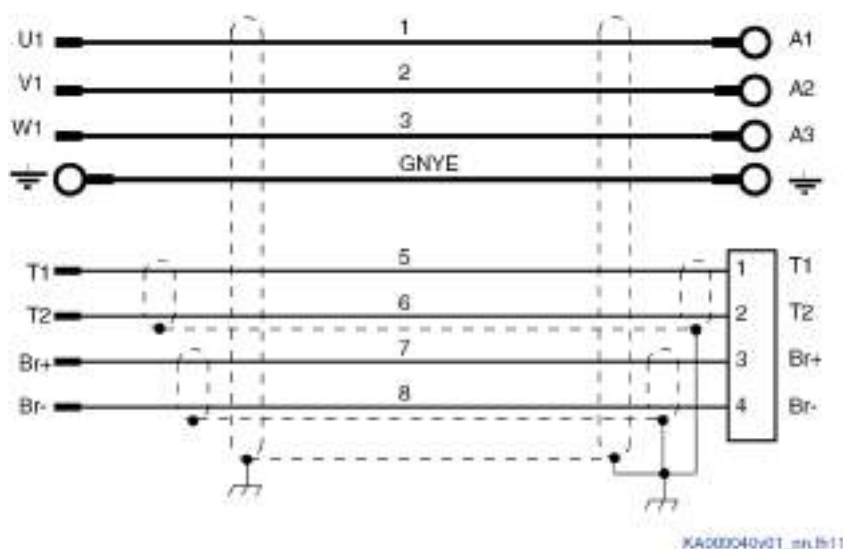


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35.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
Tab. 28-339: Interconnection diagram RKL4783

RKL4784

Connection motor	Bulk cable	Connection controller
RLK1301/K35	INK0667	RLS0727/K35



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35.0 mm² wires 1, 2, 3, GNYE

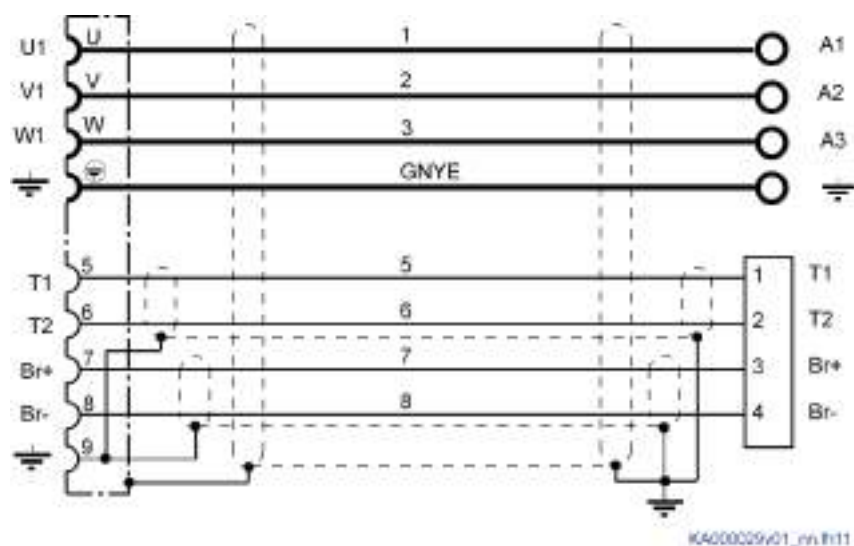
1.5 mm² wires 5, 6, 7, 8

Tab. 28-340: Interconnection diagram RKL4784

Connection Cables

RKL4785

Connection motor	Bulk cable	Connection controller
RLS1301/C25	INK0607	RLS0727/K25



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25.0 mm² wires 1, 2, 3, GNYE
1.5 mm² wires 5, 6, 7, 8
 Tab. 28-341: Interconnection diagram RKL4785

RKL4786

Connection motor

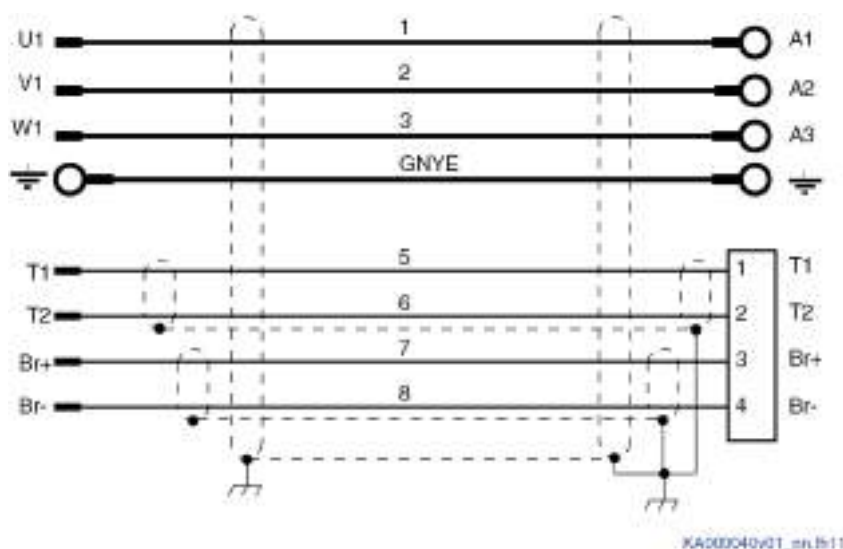
RLK1301/K25

Bulk cable

INK0607

Connection controller

RLS0727/K25



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25.0 mm²

wires 1, 2, 3, GNYE

1.5 mm²

wires 5, 6, 7, 8

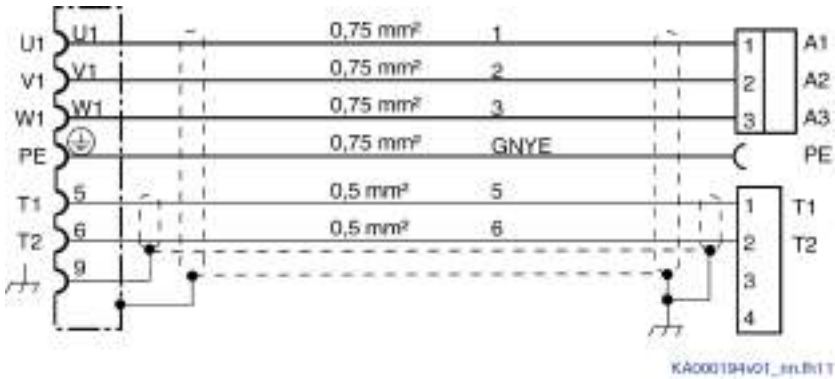
Tab. 28-342: Interconnection diagram RKL4786

Connection Cables

RKL48xx

RKL4800

Connection motor	Bulk cable	Connection controller
RLS1701/C01	INK0670	RLS0745/KM75



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0.75 mm² wires 1, 2, 3, GNYE
0.5 mm² wires 5, 6
Tab. 28-343: Interconnection diagram RKL4800

RKL4801

Connection motor

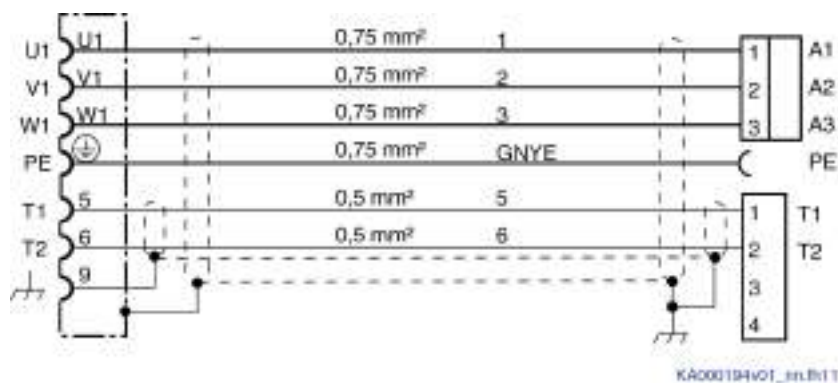
RLS1701/C01

Bulk cable

INK0670

Connection controller

RLS0746/KM75



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0.75 mm² wires 1, 2, 3, GNYE

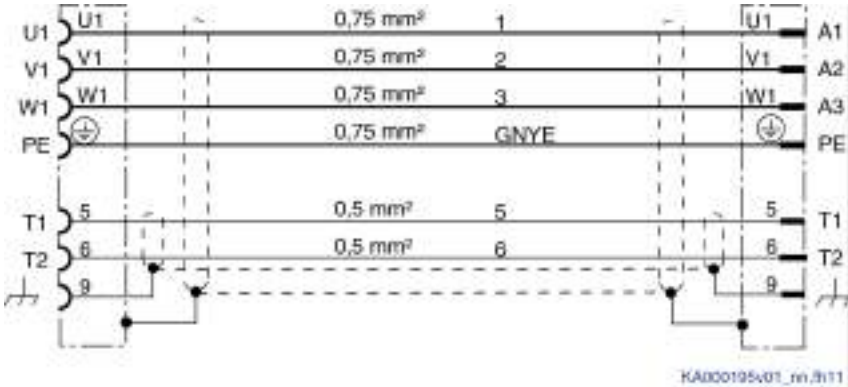
0.5 mm² wires 5, 6

Tab. 28-344: Interconnection diagram RKL4801

Connection Cables

RKL4802

Connection motor	Bulk cable	Connection controller
RLS1701/C01	INK0670	RLS1702/C01



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0.75 mm² wires 1, 2, 3, GNYE
0.5 mm² wires 5, 6
Tab. 28-345: Interconnection diagram RKL4802

RKL4803

Connection motor

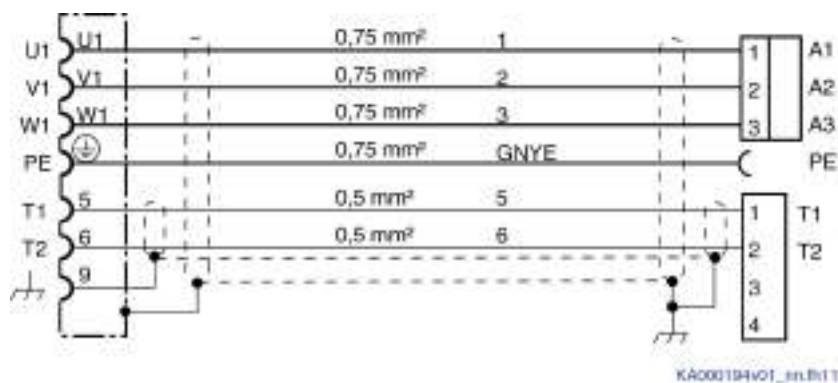
RLS1701/C01

Bulk cable

INK0670

Connection controller

RLS0749/KM75



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0.75 mm² wires 1, 2, 3, GNYE

0.5 mm² wires 5, 6

Tab. 28-346: Interconnection diagram RKL4803

Connection Cables

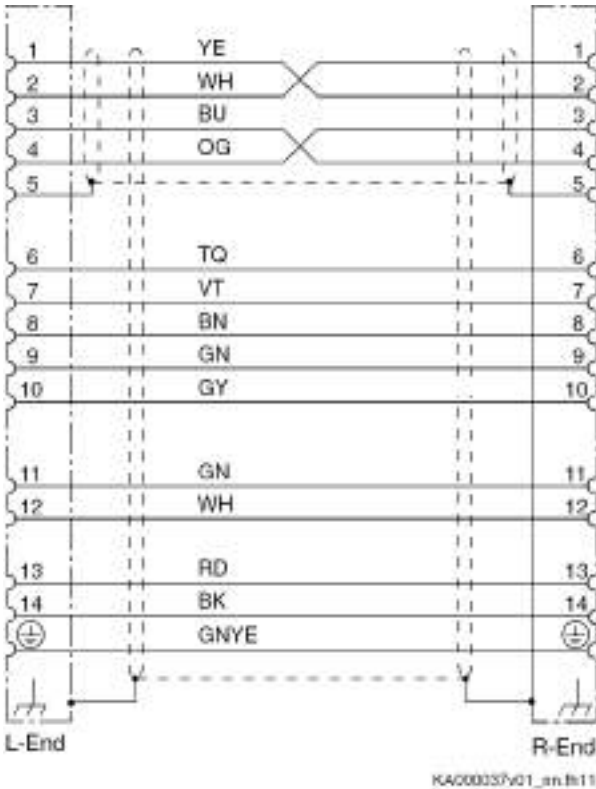
28.3 Hybrid Cable

28.3.1 RKHxxxx

RKH00xx

RKH0001

Connection motor	Bulk cable	Connection controller
RHS0001/C03	REH0800	RHS0001/C03

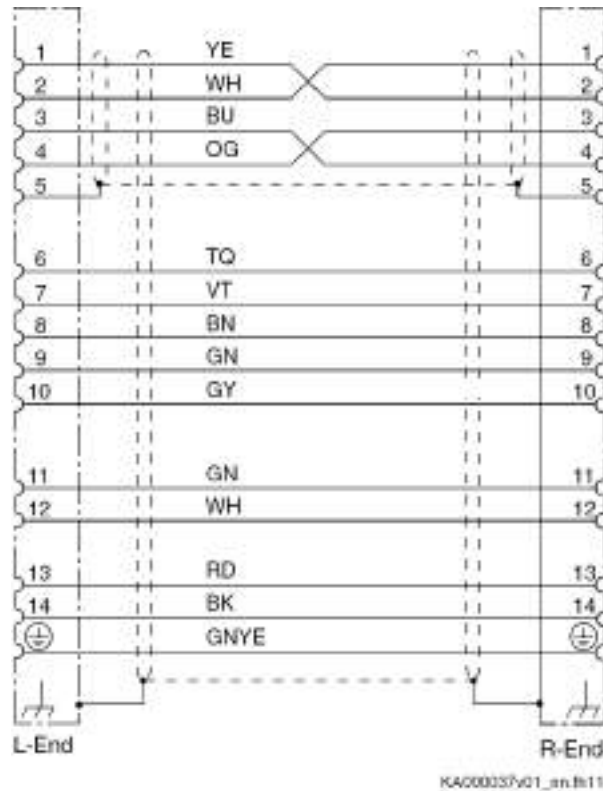


© Bosch Rexroth AG, 2013

2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-347: Parts RKH0001

RKH0002

Connection motor	Bulk cable	Connection controller
RHS0001/C03	REH0800	RHS0001/C03



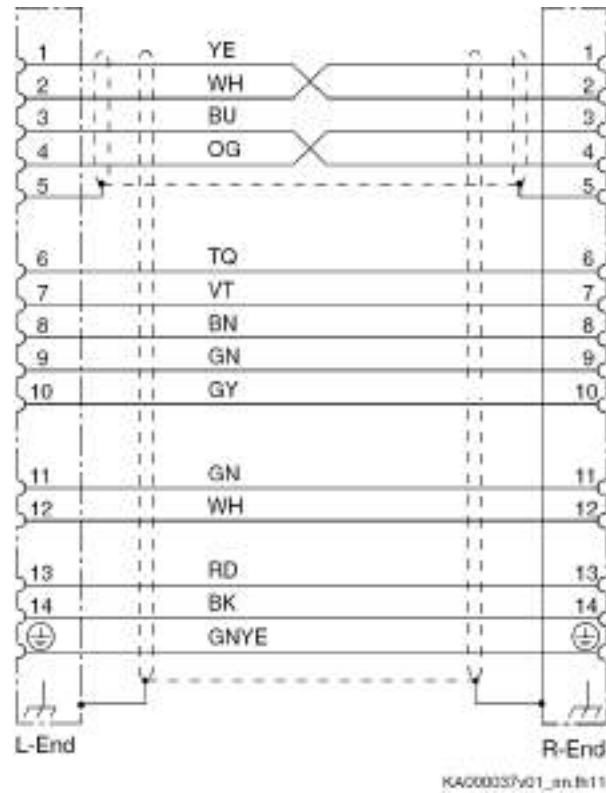
© Bosch Rexroth AG, 2013

2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-348: Parts RKH0002

Connection Cables

RKH0011

Connection motor	Bulk cable	Connection controller
RHS0011/C03	REH0800	RHS0011/C03



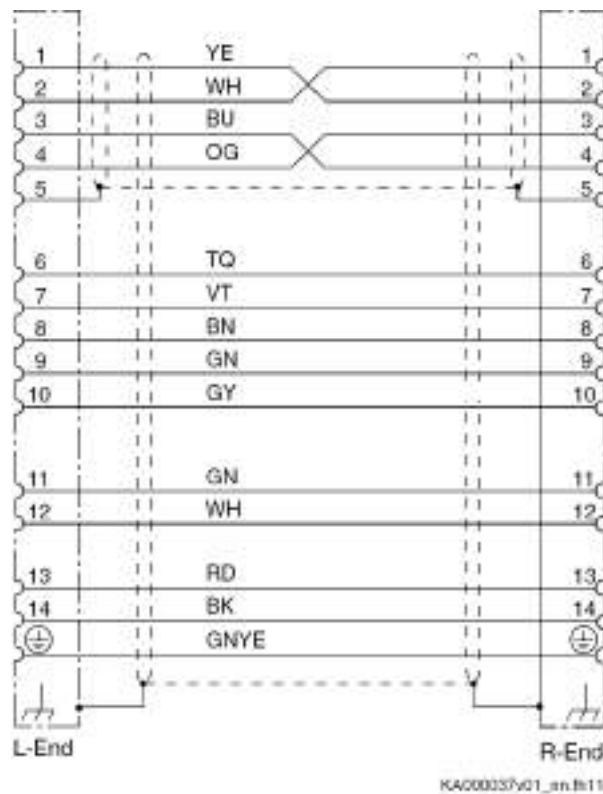
KA000037v01_en.fm.11

© Bosch Rexroth AG, 2013

2.5 mm²	wires GN, WH, RD, BK, GNYE
0.35 mm²	wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-349:	Parts RKH0011

RKH0012

Connection motor	Bulk cable	Connection controller
RHS0011/C03	REH0800	RHS0011/C03



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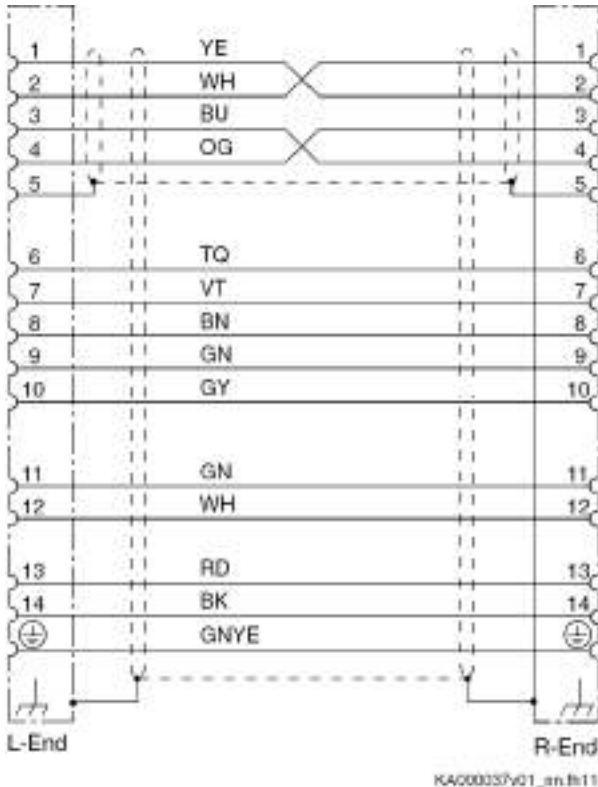
2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-350: Parts RKH0012

Connection Cables

RKH01xx

RKH0100

Connection motor	Bulk cable	Connection controller
RHS0001/C03	REH0800	RHS0001/C03



KA00037v01_en.fm11

© Bosch Rexroth AG, 2013

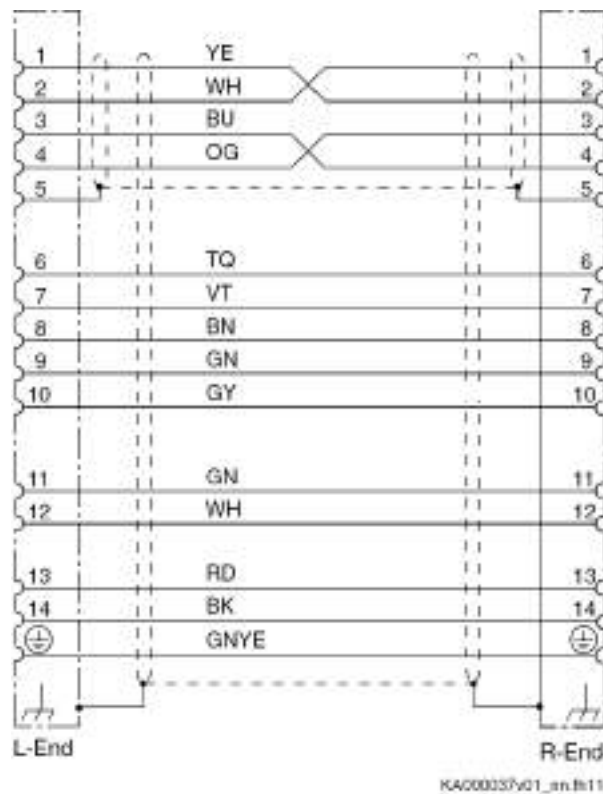
2.5 mm²
0.35 mm²

wires GN, WH, RD, BK, GNYE
wires WH, YE, OG, BU, TQ, VT, BN, GN, GY

Tab. 28-351:
Parts RKH0100

RKH0101

Connection motor	Bulk cable	Connection controller
RHS0001/C03	REH0800	RHS0001/C03



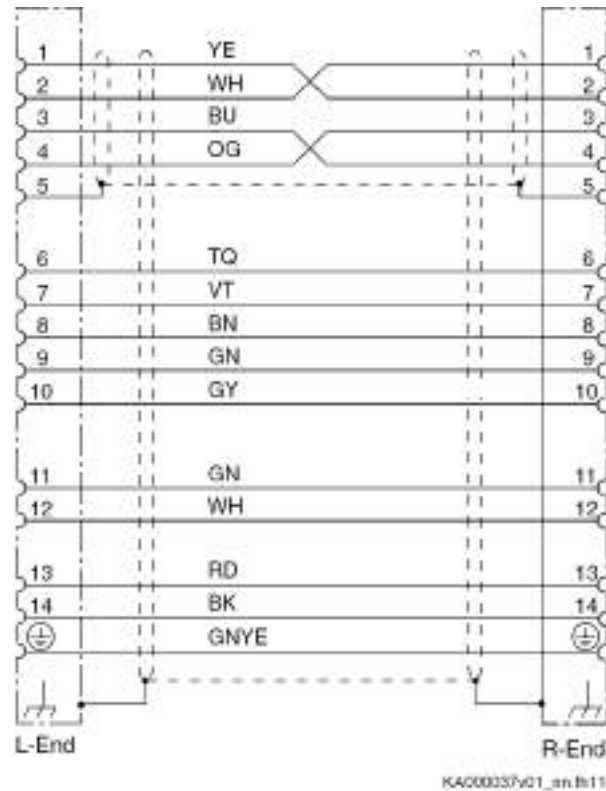
© Bosch Rexroth AG, 2013

2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-352: Parts RKH0101

Connection Cables

RKH0110

Connection motor	Bulk cable	Connection controller
RHS0011/C03	REH0800	RHS0011/C03

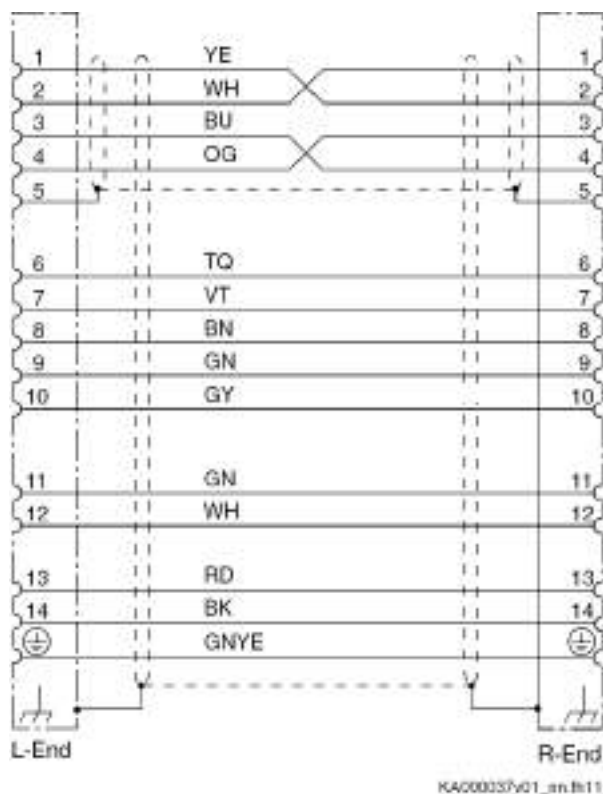


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2.5 mm²	wires GN, WH, RD, BK, GNYE
0.35 mm²	wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-353:	Parts RKH0110

RKH0111

Connection motor	Bulk cable	Connection controller
RHS0011/C03	REH0800	RHS0011/C03



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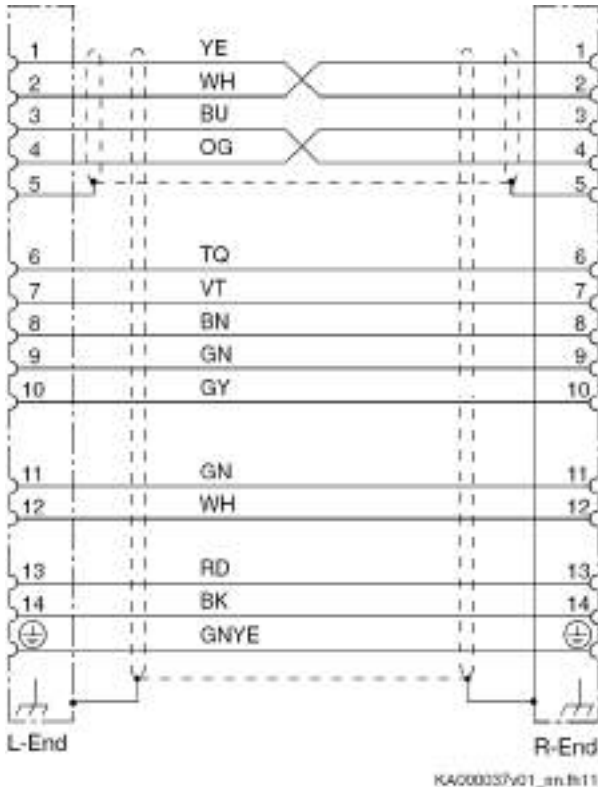
2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-354: Parts RKH0111

Connection Cables

RKH02xx

RKH0200

Connection motor	Bulk cable	Connection controller
RHS0001/C03	REH0800	RHS0001/C03

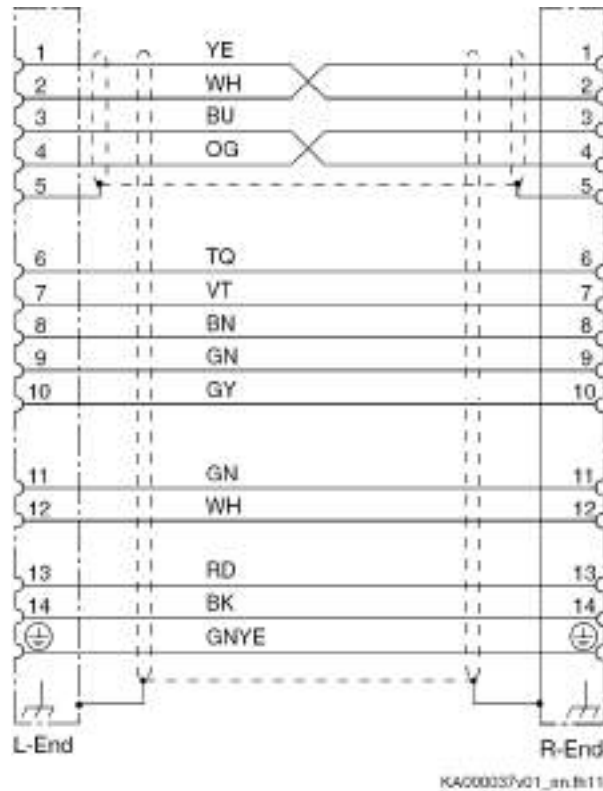


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2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-355: Parts RKH0200

RKH0201

Connection motor	Bulk cable	Connection controller
RHS0001/C03	REH0800	RHS0001/C03



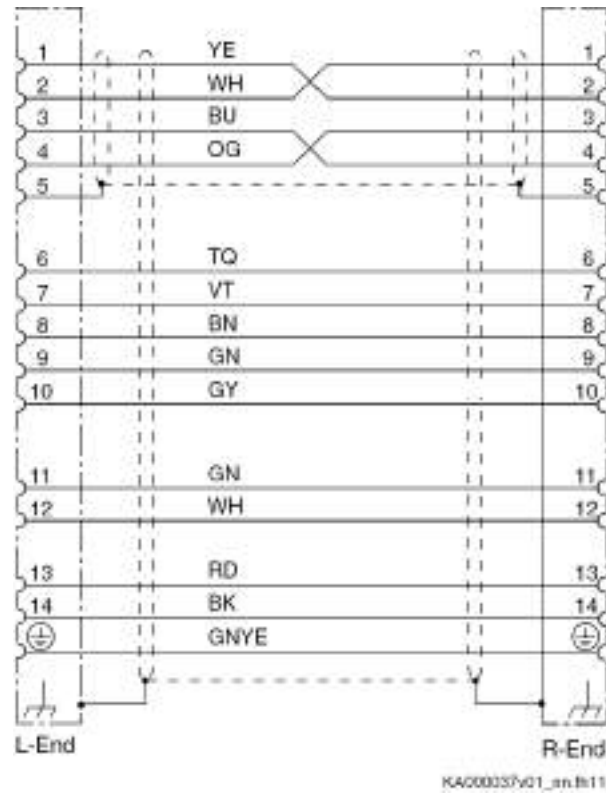
© Bosch Rexroth AG, 2013

2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-356: Parts RKH0201

Connection Cables

RKH0202

Connection motor	Bulk cable	Connection controller
RHS0001/C03	REH0800	RHS0006/C03

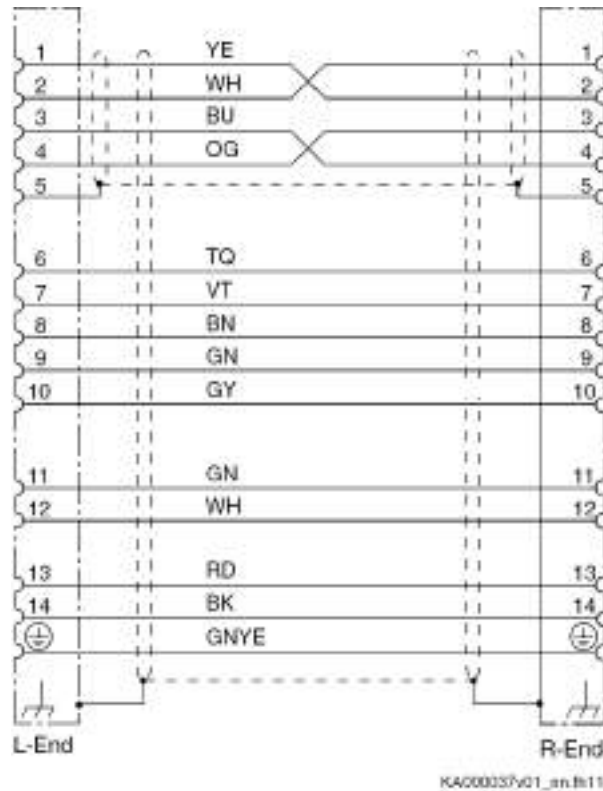


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2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-357: Parts RKH0202

RKH0203

Connection motor	Bulk cable	Connection controller
RHS0001/C03	REH0800	RHS0006/C03



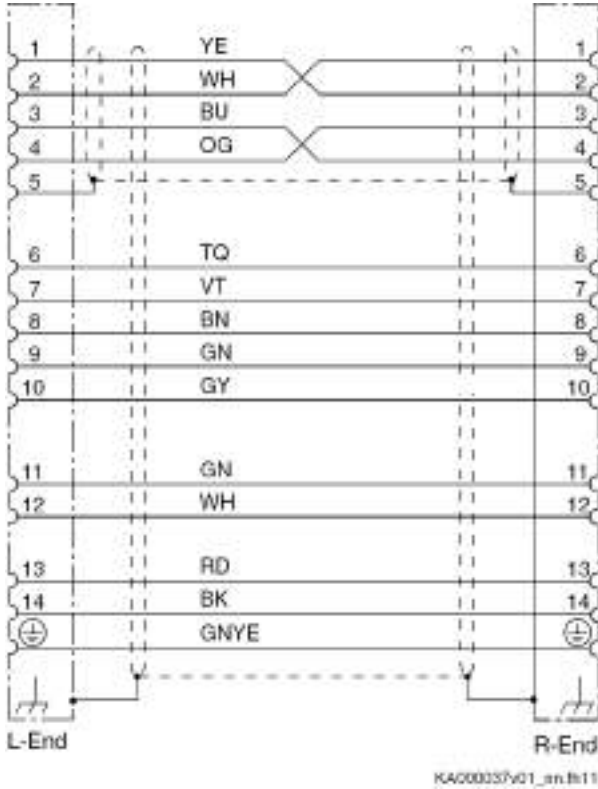
© Bosch Rexroth AG, 2013

2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-358: Parts RKH0203

Connection Cables

RKH0204

Connection motor	Bulk cable	Connection controller
RHS0001/C03	REH0800	RHS0006/C03



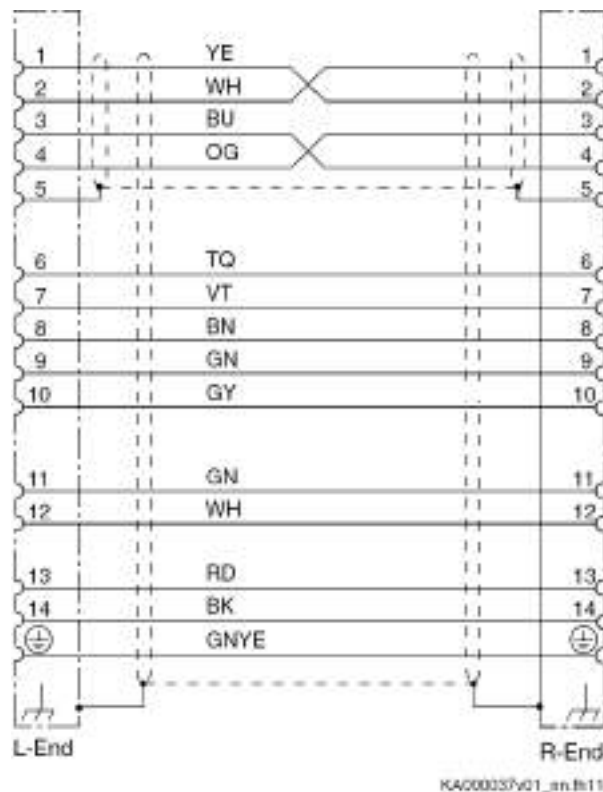
KA000337v01_en.b11

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2.5 mm²	wires GN, WH, RD, BK, GNYE
0.35 mm²	wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
<i>Tab. 28-359:</i>	<i>Parts RKH0204</i>

RKH0205

Connection motor	Bulk cable	Connection controller
RHS0001/C03	REH0800	RHS0006/C03



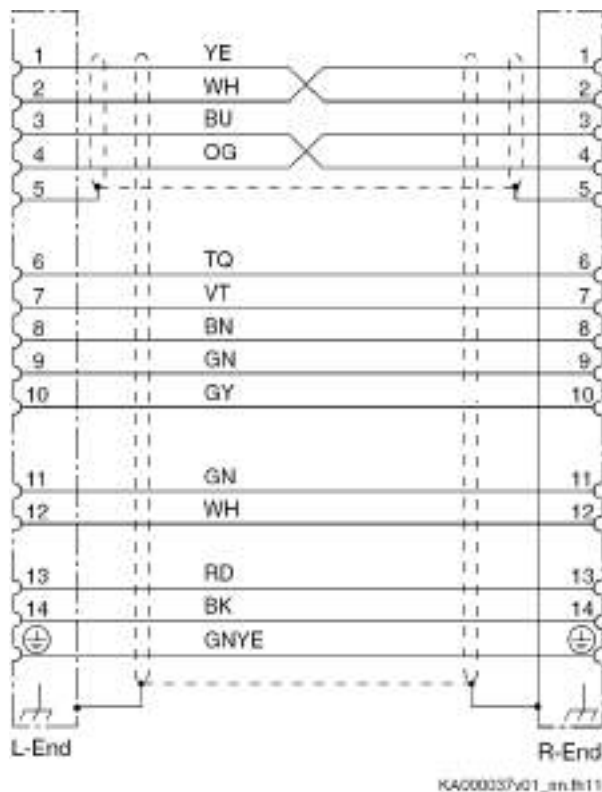
© Bosch Rexroth AG, 2013

2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-360: Parts RKH0205

Connection Cables

RKH0210

Connection motor	Bulk cable	Connection controller
RHS0011/C03	REH0800	RHS0011/C03

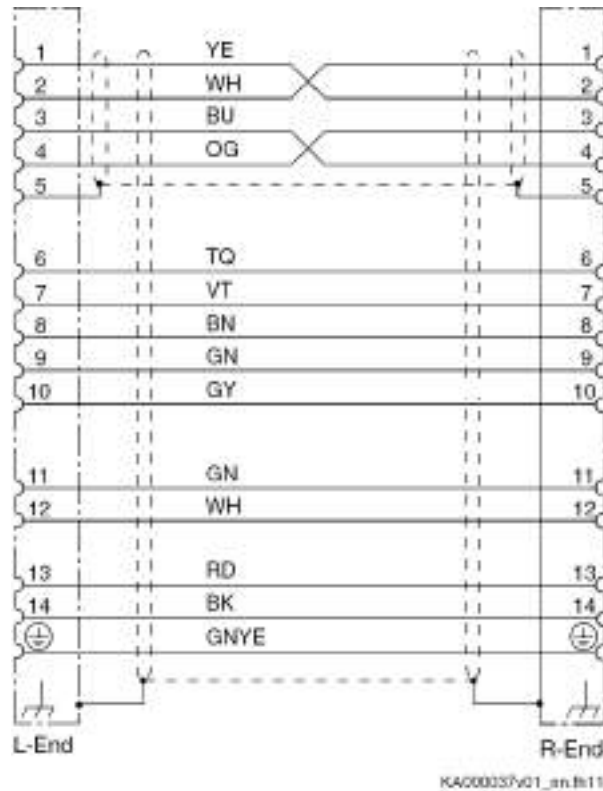


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2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
 Tab. 28-361: Parts RKH0210

RKH0211

Connection motor	Bulk cable	Connection controller
RHS0011/C03	REH0800	RHS0011/C03



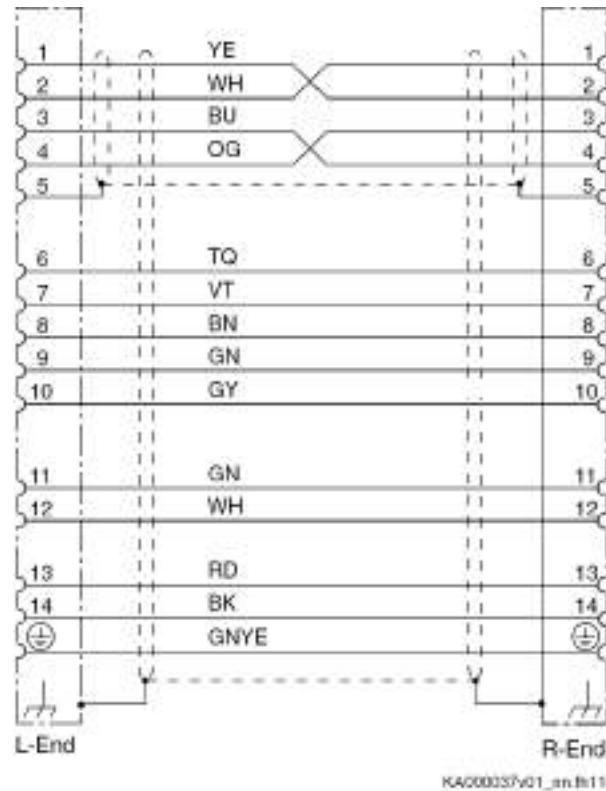
© Bosch Rexroth AG, 2013

2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-362: Parts RKH0211

Connection Cables

RKH0212

Connection motor	Bulk cable	Connection controller
RHS0011/C03	REH0800	RHS0016/C03

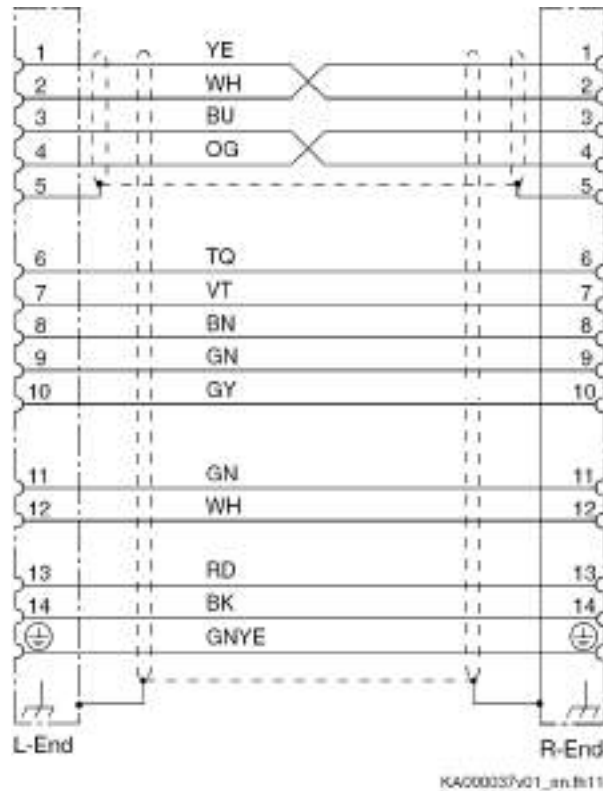


© Bosch Rexroth AG, 2013

2.5 mm²	wires GN, WH, RD, BK, GNYE
0.35 mm²	wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
<i>Tab. 28-363:</i>	<i>Parts RKH0212</i>

RKH0213

Connection motor	Bulk cable	Connection controller
RHS0011/C03	REH0800	RHS0016/C03



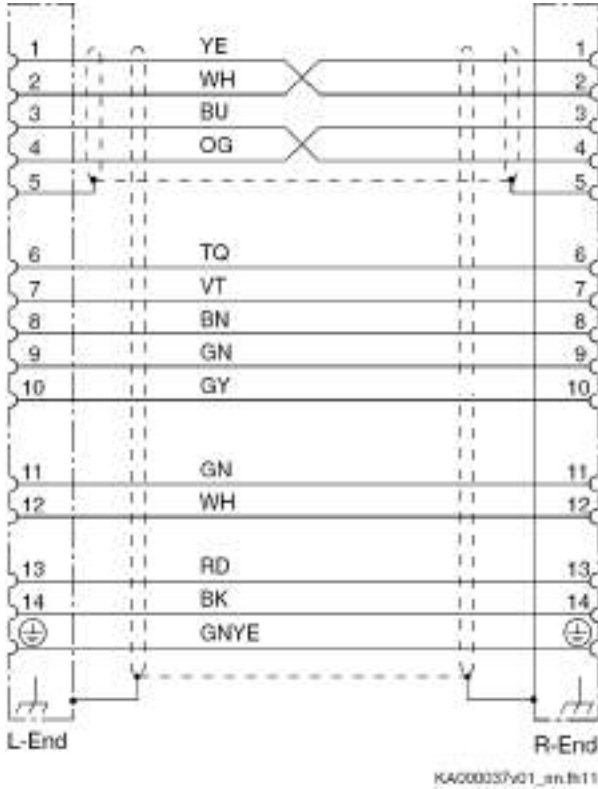
© Bosch Rexroth AG, 2013

2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-364: Parts RKH0213

Connection Cables

RKH0214

Connection motor	Bulk cable	Connection controller
RHS0011/C03	REH0800	RHS0016/C03

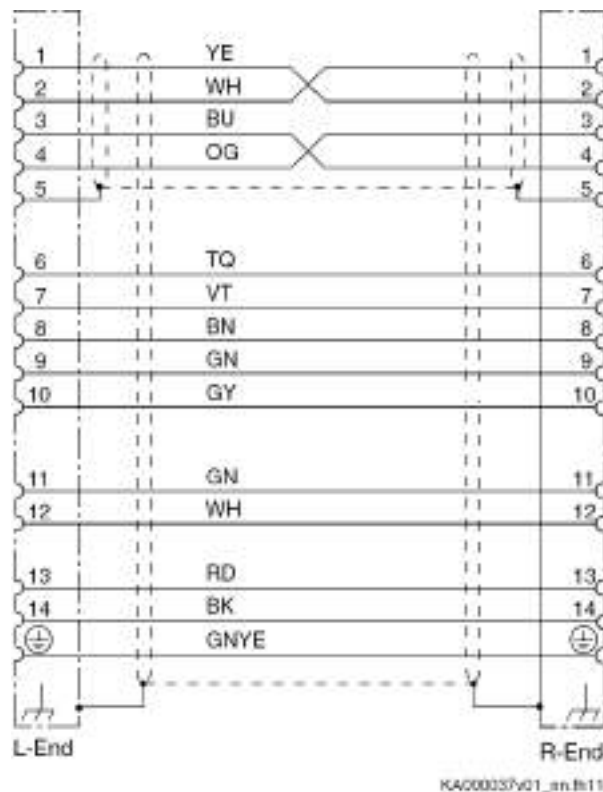


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2.5 mm²	wires GN, WH, RD, BK, GNYE
0.35 mm²	wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
<i>Tab. 28-365:</i>	<i>Parts RKH0214</i>

RKH0215

Connection motor	Bulk cable	Connection controller
RHS0011/C03	REH0800	RHS0016/C03



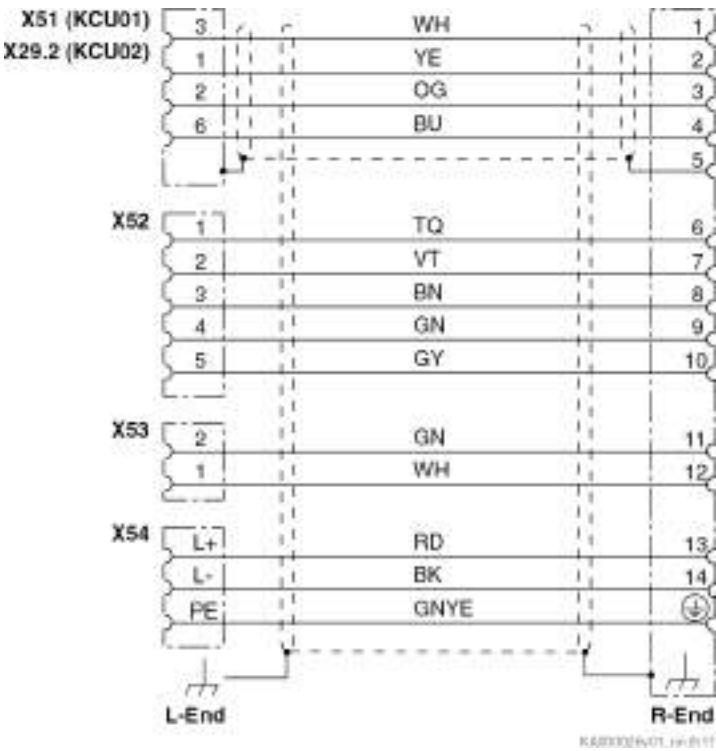
© Bosch Rexroth AG, 2013

2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-366: Parts RKH0215

Connection Cables

RKH03xx
RKH0301

Connection motor	Bulk cable	Connection controller
RHS0005/C03	REH0800	RHS0001/C03

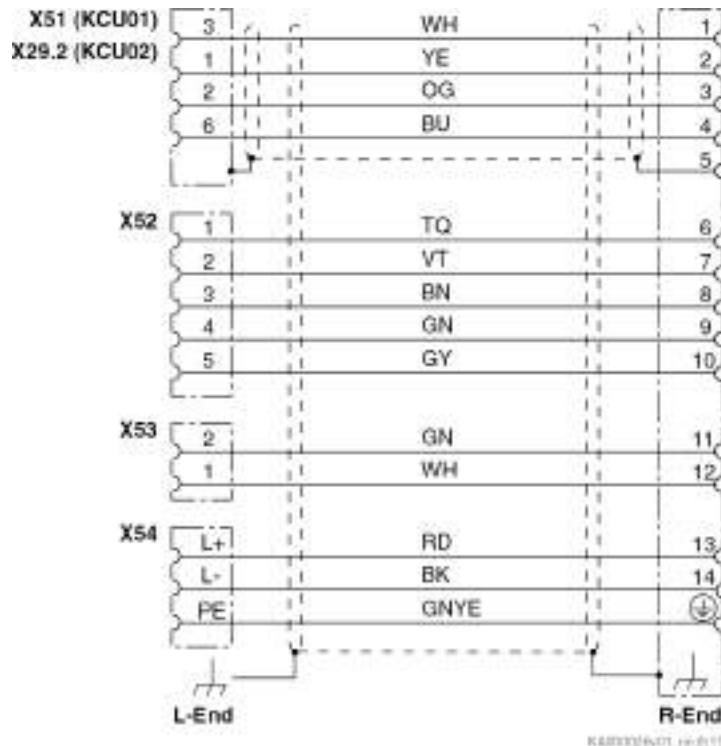


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2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-367: Parts RKH0301

RKH0311

Connection motor	Bulk cable	Connection controller
RHS0005/C03	REH0800	RHS0011/C03



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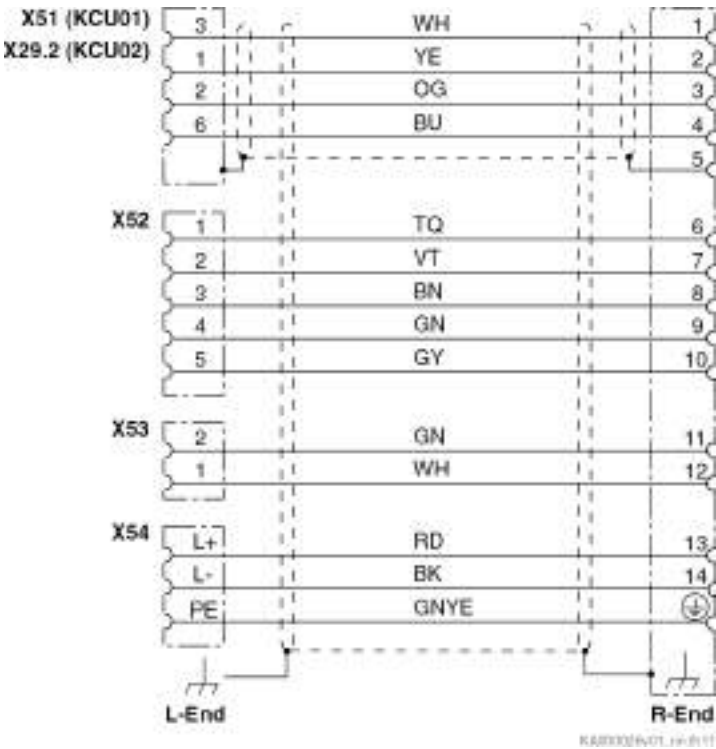
2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-368: Parts RKH0311

Connection Cables

RKH04xx

RKH0401

Connection motor	Bulk cable	Connection controller
RHS0005/C03	REH0800	RHS0001/C03

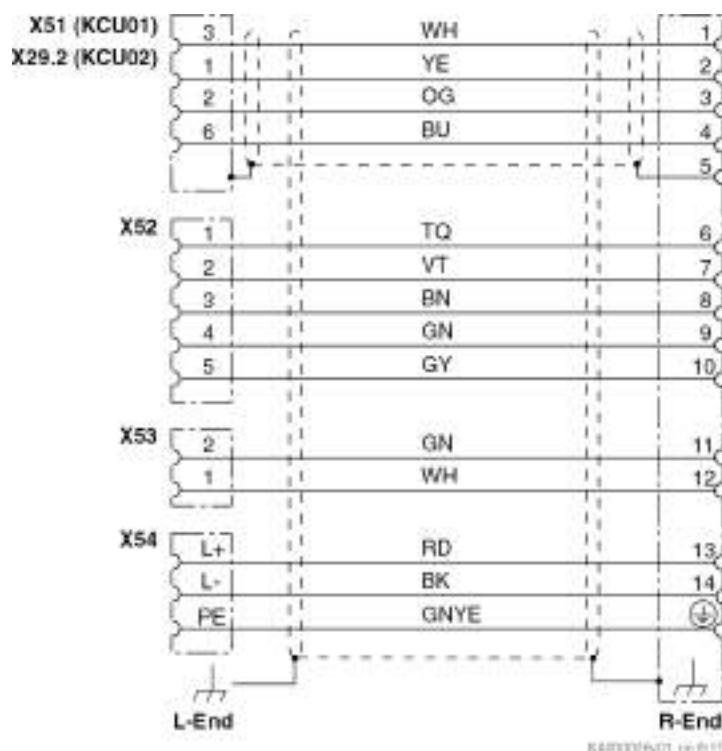


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2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-369: Parts RKH0401

RKH0411

Connection motor	Bulk cable	Connection controller
RHS0005/C03	REH0800	RHS0011/C03



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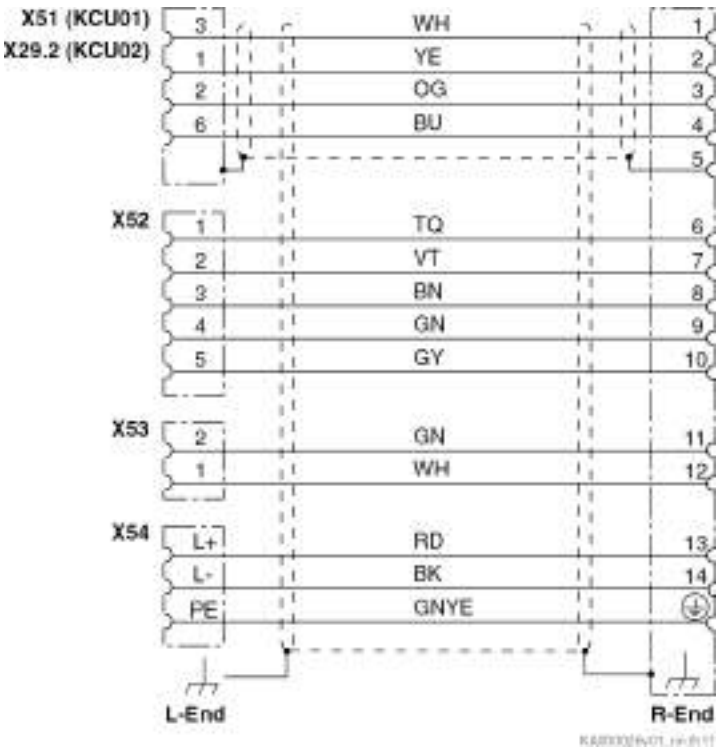
2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-370: Parts RKH0411

Connection Cables

RKH05xx

RKH0501

Connection motor	Bulk cable	Connection controller
RHS0005/C03	REH0800	RHS0006/C03

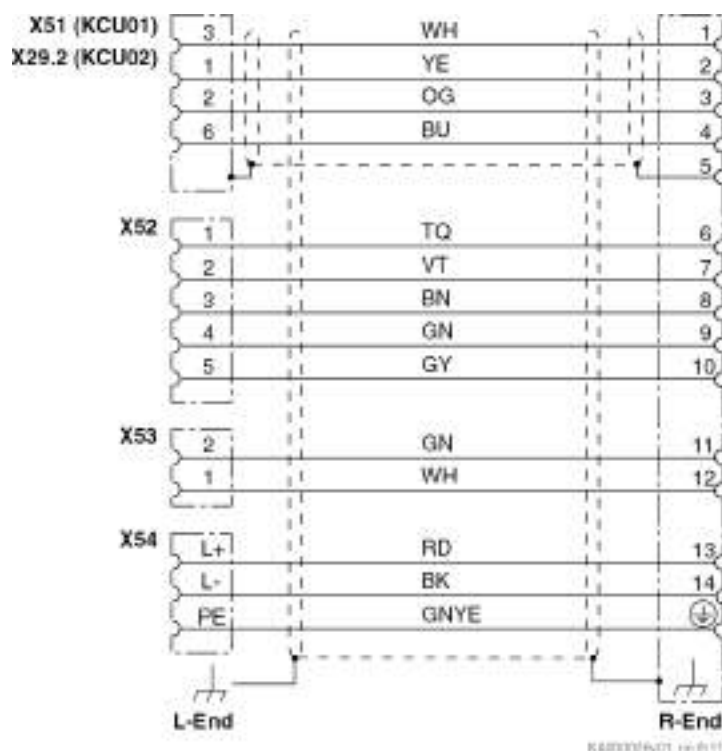


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2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-371: Parts RKH0501

RKH0511

Connection motor	Bulk cable	Connection controller
RHS0005/C03	REH0800	RHS0016/C03



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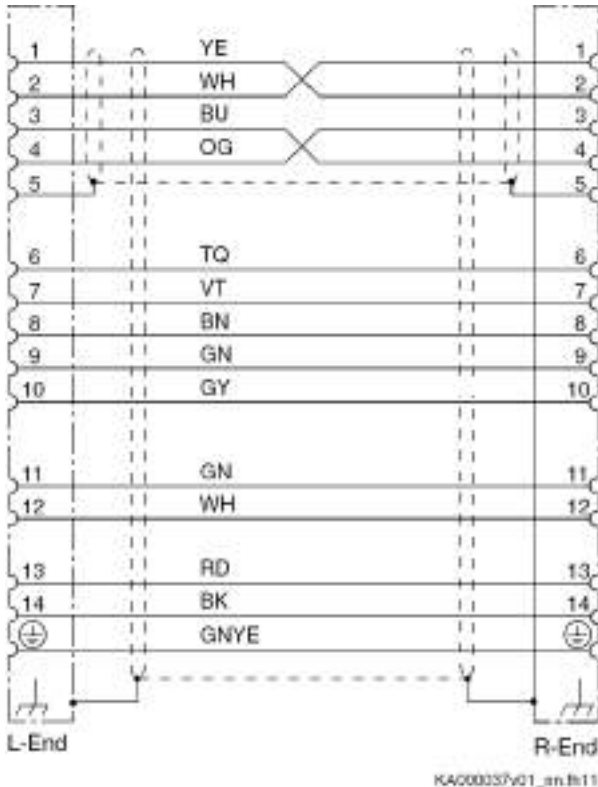
2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-372: Parts RKH0511

Connection Cables

RKH06xx

RKH0600

Connection motor	Bulk cable	Connection controller
RHS0006/C03	REH0800	RHS0006/C03

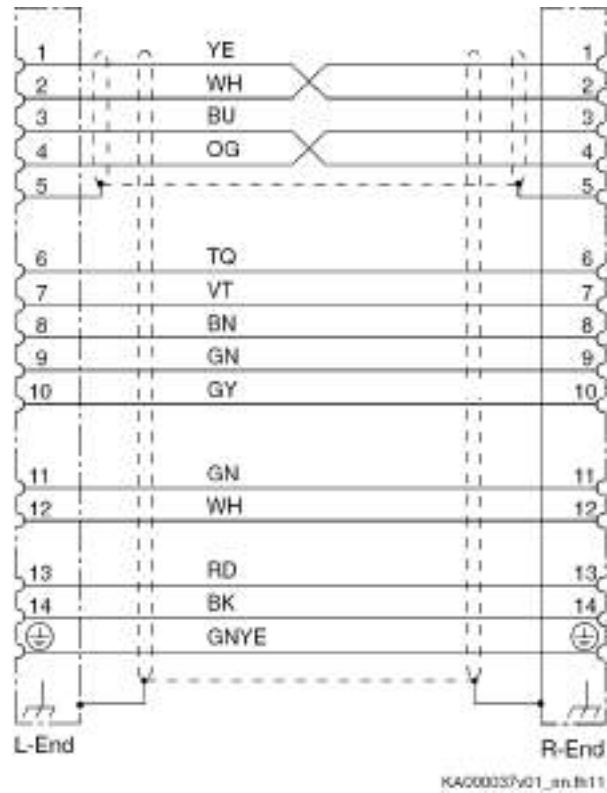


© Bosch Rexroth AG, 2013

2.5 mm²	wires GN, WH, RD, BK, GNYE
0.35 mm²	wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
<i>Tab. 28-373: Parts RKH0600</i>	

RKH0601

Connection motor	Bulk cable	Connection controller
RHS0006/C03	REH0800	RHS0006/C03



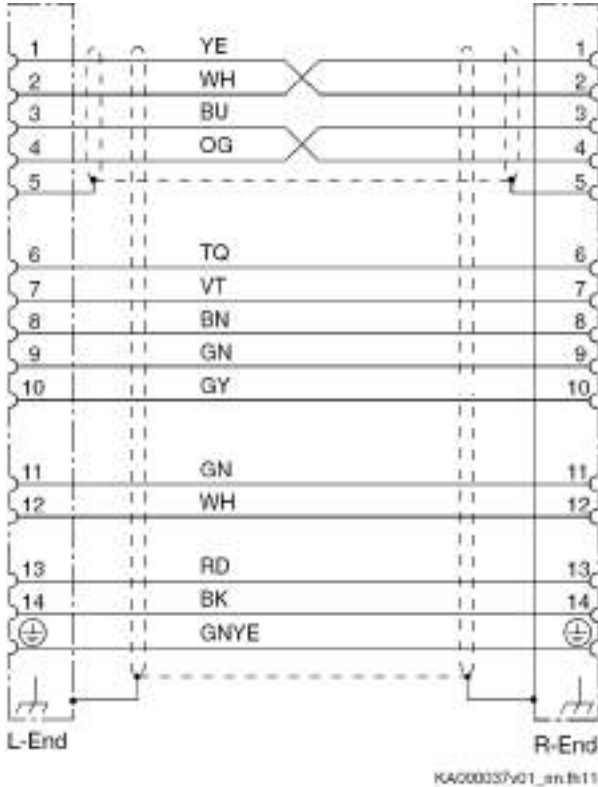
© Bosch Rexroth AG, 2013

2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-374: Parts RKH0601

Connection Cables

RKH0610

Connection motor	Bulk cable	Connection controller
RHS0016/C03	REH0800	RHS0016/C03

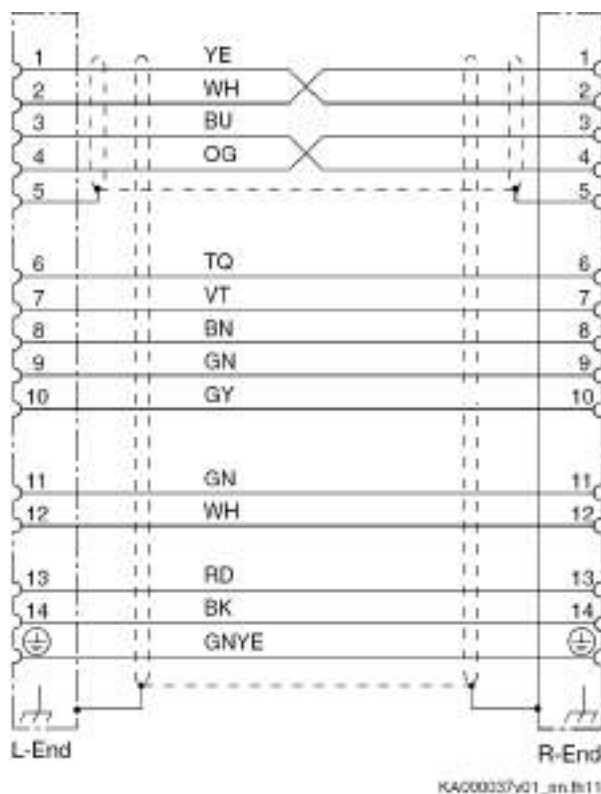


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2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-375: Parts RKH0610

RKH0611

Connection motor	Bulk cable	Connection controller
RHS0016/C03	REH0800	RHS0016/C03



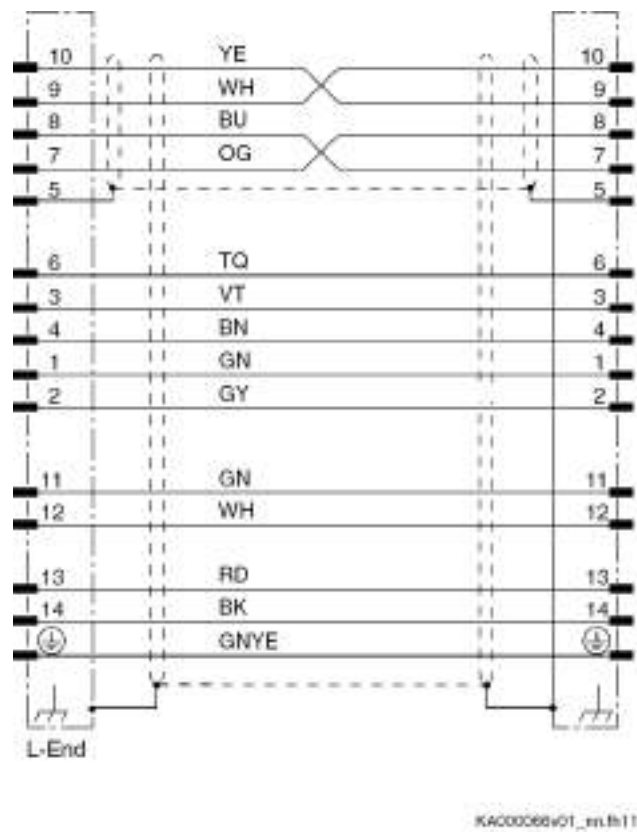
© Bosch Rexroth AG, 2013

2.5 mm² wires GN, WH, RD, BK, GNYE
0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
Tab. 28-376: Parts RKH0611

Connection Cables

RKH07xx
RKH0700

Connection motor	Bulk cable	Connection controller
RHS0007/C03	REH0800	RHS0007/C03



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2.5 mm² wires GN, WH, RD, BK, GNYE
 0.35 mm² wires WH, YE, OG, BU, TQ, VT, BN, GN, GY
 Tab. 28-377: Parts RKH0700

29 Technical Data of Rexroth Cables

29.1 Motor Power Cable with Total Shield

29.1.1 INK0602, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0602
Brief description of cable			[4x2.5mm ² + 2x(2x1.0mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20234
Cross section	D	mm	14.8 +/-1.0
Cross section of the power wire		mm ²	2.5
Cable jacket material ²⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.380
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	0.7
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	7.98
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Latest amendment: 2013-01-03			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	INK0602
Max. acceleration ³⁾	$a_{\max}$	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

- 1) UL file number acc. to cable labeling
 2) Acc. to EN 50363-10-2
 3) 4) 5) Drag chain parameter: Maximum value only particularly valid
 Tab. 29-1: INK - technical data



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.1.2 INK0603, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0603
Brief description of cable			[4x4.0mm ² + (2x1.0mm ²)StC + (2x1.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20234
Cross section	D	mm	17.0 +/-0.5
Cross section of the power wire		mm ²	4.0
Cable jacket material ²⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.490
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	0.8
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	4.95
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 und EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-01-03			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	INK0603
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

- 1)
2)
3) 4) 5)
Tab. 29-2:

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
INK - technical data
- 

Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.1.3 INK0604, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0604
Brief description of cable			[4x6.0mm ² + (2x1.0mm ²)StC + (2x1.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20234
Cross section	D	mm	18.5 +/-1.0
Cross section of the power wire		mm ²	6.0
Cable jacket material ²⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.630
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	0.8
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	3.30
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-01-03			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	INK0604
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

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Tab. 29-3:

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
INK - technical data
- 

Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.1.4 INK0605, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0605
Brief description of cable			[4x10.0mm ² + (2x1.0mm ²)StC + (2x1.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20234
Cross section	D	mm	22.2 +/-1.0
Cross section of the power wire		mm ²	10.0
Cable jacket material ²⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.870
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	1.0
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	1.91
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-01-03			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	INK0605
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

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Tab. 29-4:

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
INK - technical data
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Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.1.5 INK0606, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0606
Brief description of cable			[4x16.0mm ² + 2x(2x1.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20234
Cross section	D	mm	25.5 +/-1.0
Cross section of the power wire		mm ²	16.0
Cable jacket material ²⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	1.140
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	1.2
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	1.21
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-01-03			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	INK0606
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

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3) 4) 5)
Tab. 29-5:

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
INK - technical data
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Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.1.6 INK0607, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0607
Brief description of cable			[4x25.0mm ² + 2x(2x1.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20234
Cross section	D	mm	29.8 +/-1.0
Cross section of the power wire		mm ²	25.0
Cable jacket material ²⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	1.750
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	1.1
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	0.78
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-01-03			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	INK0607
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

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Tab. 29-6:

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
INK - technical data
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Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!
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29.1.7 INK0650, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0650
Brief description of cable			[4x1.5mm ² + 2x(2x0.75mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20234
Cross section	D	mm	12.2 +/-0.5
Cross section of the power wire		mm ²	1.5
Cable jacket material ²⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.275
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	0.8
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	13.3
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-01-03			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	INK0650
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

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Tab. 29-7:

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
INK - technical data
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Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!
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29.1.8 INK0653, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0653
Brief description of cable			[4x1.0mm ² + 2x(2x0.75mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20234
Cross section	D	mm	12.0 +/-0.5
Cross section of the power wire		mm ²	1.0
Cable jacket material ²⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.250
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	0.6
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	19.5
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-01-03			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	INK0653
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

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Tab. 29-8:

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
INK - technical data
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Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.1.9 INK0667, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0667
Brief description of cable			[4x35.0mm ² + 2x(2x1.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20234
Cross section	D	mm	30.8 +/-1.0
Cross section of the power wire		mm ²	35.0
Cable jacket material ²⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	2.250
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	1.2
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	0.554
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-01-03			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	INK0667
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

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Tab. 29-9:

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
INK - technical data
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Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.1.10 INK0668, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0668
Brief description of cable			[4x50.0mm ² + 2x(2x2.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20234
Cross section	D	mm	36.8 +/-1.0
Cross section of the power wire		mm ²	50.0
Cable jacket material ²⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	3.200
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Discharge capacity	C _{Y_K_typ}	nF/m	1.3
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	0.386
Operating voltage of power wires		V	300/500V (VDE); 600V/AC (UL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC (UL)
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-01-03			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	INK0668
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

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Tab. 29-10:
- UL file number acc. to cable labeling

Acc. to EN 50363-10-2

Drag chain parameter: Maximum value only particularly valid

INK - technical data
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Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.1.11 INK0670, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0670
Brief description of cable			[4x0.75mm ² + (2x0.5mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			
Cross section	D	mm	10.0 +/-0.4
Cross section of the power wire		mm ²	0.75
Cable jacket material ²⁾			PUR
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.132
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	80
Discharge capacity	C _{Y_K_typ}		
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	VDE0295 class 6
Operating voltage of power wires		V	300/500V (VDE); 600V/AC 80° (CUL)
Operating voltage of control wires		V	300/300V (VDE); 600V/AC 80° (CUL)
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-01-03			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	INK0670
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

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3) 4) 5)

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
Tab. 29-11: INK - technical data
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Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.1.12 REH0800, Hybrid Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	REH0800
Brief description of cable			[5x2,5mm ² + 5x0,34mm ² + (2x2x0,34mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus
AWM Style (UL)			AWM20234
Cross section	D	mm	16.2 +/- 0.5
Cross section of the power wire		mm ²	2.5
Cable jacket material ²⁾			PUR
Cable jacket color			RAL2003
Specific cable weight	m	kg/m	0.355
Temperature range during storage		°C	-30 ... +60
Ambient temperature during operation (fix installation)		°C	-30 ... +80
Ambient temperature during operation (flexible installation)		°C	-20 ... +80
Operation temperature on the wire (flexible/fix)		°C	80
Discharge capacity	C _{Y_K_typ}		
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	8 (2.5 mm ²)
Operating voltage of power wires		V	850
Operating voltage of control wires		V	100
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	10 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	4
Max. travel velocity ⁴⁾	v	m/s	4
Latest amendment: 2013-01-03			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	REH0800
Maximum horizontal travel path ⁵⁾	c	m	10
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

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3) 4) 5)

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
Tab. 29-12: REH - Technical data
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Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.1.13 REL0010, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	REL0010
Brief description of cable			(3x0.14 mm ²)
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20233
Cross section	D	mm	max. 4.3
Cross section of the power wire		mm ²	0.1
Cable jacket material ²⁾			PUR
Cable jacket color			RAL2003 (orange)
Specific cable weight	m	kg/m	0.025
Temperature range during storage		°C	-40 ... +80
Ambient temperature during operation (fix installation)		°C	-40 ... +80
Ambient temperature during operation (flexible installation)		°C	-30 ... +80
Operation temperature on the wire (flexible/fix)			
Discharge capacity	C _{Y_K_typ}		
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	smaller than 136 Ohm/km
Operating voltage of power wires		V	smaller than 300
Operating voltage of control wires			
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-02-01			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	REL0010
Maximum horizontal travel path ⁵⁾	c	m	15
Bending and torsion stress		°	not suited
Latest amendment: 2013-02-01			

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2)
3) 4) 5)
Tab. 29-13:

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
REL - Technical data
- 

Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.1.14 REL0011, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	REL0011
Brief description of cable			[4x0.5mm ² +(2x0.14mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20234
Cross section	D	mm	max. 8.0
Cross section of the power wire		mm ²	0.5
Cable jacket material ²⁾			PUR
Cable jacket color			RAL2003 (orange)
Specific cable weight	m	kg/m	0.085
Temperature range during storage		°C	-40 ... +80
Ambient temperature during operation (fix installation)		°C	-40 ... +80
Ambient temperature during operation (flexible installation)		°C	-30 ... +80
Operation temperature on the wire (flexible/fix)			
Discharge capacity	C _{Y_K_typ}		
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	smaller than 41 Ohm/km
Operating voltage of power wires		V	600
Operating voltage of control wires			
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-02-01			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	REL0011
Maximum horizontal travel path ⁵⁾	c	m	15
Bending and torsion stress		°	not suited
Latest amendment: 2013-02-01			

- 1)
2)
3) 4) 5)
Tab. 29-14:

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
REL - Technical data
- 

Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.1.15 REL0012, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	REL0012
Brief description of cable			[4x0.75mm ² +(2x0.14mm ²)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20234
Cross section	D	mm	max. 9.0
Cross section of the power wire		mm ²	0.8
Cable jacket material ²⁾			PUR
Cable jacket color			RAL2003 (orange)
Specific cable weight	m	kg/m	0.100
Temperature range during storage			
Ambient temperature during operation (fix installation)		°C	-50 ... +80
Ambient temperature during operation (flexible installation)		°C	-30 ... +80
Operation temperature on the wire (flexible/fix)			
Discharge capacity	C _{Y_K_typ}		
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	smaller than 27 Ohm/km
Operating voltage of power wires		V	600
Operating voltage of control wires			
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-01-24			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	REL0012
Maximum horizontal travel path ⁵⁾	c	m	15
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-24			

- 1)
2)
3) 4) 5)
Tab. 29-15:

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
REL - Technical data
-
- 

Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!
-

29.1.16 REL0753, Power Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	REL0753
Brief description of cable			4x1.0mm ² + 2x(2x0.75mm ²)StC
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			21223
Cross section	D	mm	12.2 +/-0.3
Cross section of the power wire		mm ²	1.0
Cable jacket material ²⁾			PUR
Cable jacket color			orange (similar with RAL 2003)
Specific cable weight	m		
Temperature range during storage			
Ambient temperature during operation (fix installation)			
Ambient temperature during operation (flexible installation)			
Operation temperature on the wire (flexible/fix)			
Discharge capacity	C _{Y_K_typ}	nF/m	acc. to EN 50289-1-5
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	IEC 60228
Operating voltage of power wires		V	600
Operating voltage of control wires			
Halogens			halogen-free
Oil resistance			
Burning behavior			flame-resistant
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	20
Max. travel velocity ⁴⁾	v	m/s	3
Maximum horizontal travel path ⁵⁾	c	m	max. 5
Bending and torsion stress		°	+/- 180/30cm
Latest amendment: 2013-01-03			

1) UL file number acc. to cable labeling

Technical Data of Rexroth Cables

- 2) Acc. to EN 50363-10-2
3) 4) 5) Drag chain parameter: Maximum value only particularly valid
Tab. 29-16: REL - Technical data
-



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.2 Encoder Cable with Total Shield

29.2.1 INK0280, Encoder Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0280
Brief description of cable			[3x0.25mm ² + 3x(2x0.25mm ²)StC + 2x1.0mm ²]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20233, 20235
Cross section	D	mm	10.0 +/-0.3
Cable jacket material ²⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.160
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	83.0 (0.25 mm ²) / 19.3 (1.0mm ²)
Operating voltage of control wires		V	300/300V (VDE); 300V/AC (UL)
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

- 1) UL file number acc. to cable labeling
2) Acc. to EN 50363-10-2
3) 4) 5) Drag chain parameter: Maximum value only particularly valid
Tab. 29-17: INK - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.2.2 INK0448, Encoder Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0448
Brief description of cable			(4x2x0.25mm ² + 2x0.5mm ²)C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20233, 20235
Cross section	D	mm	8.8 +/-0.3
Cross section of control wire		mm ²	0.25
Cable jacket material ²⁾			PUR (adhesion-free, matt)
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.100
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +40
Operation temperature on the wire (flexible/fix)		°C	+80 / +90
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	83.0 (0.25 mm ²) / 39.5 (0.5mm ²)
Operating voltage of control wires		V	300/300V (VDE); 300V/AC (UL)
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited

Latest amendment: 2013-01-03

- 1) UL file number acc. to cable labeling
2) Acc. to EN 50363-10-2
3) 4) 5) Drag chain parameter: Maximum value only particularly valid
Tab. 29-18: INK - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.2.3 INK0691, Encoder Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	INK0691
Brief description of cable			[4x2x0.14mm ² + 4x0.34mm ² + (4x0.14mm ²)StD]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			
Cross section	D	mm	9.4 +/-0.3
Cross section of the power wire		mm ²	--
Cable jacket material ²⁾			PUR
Cable jacket color			RAL 2003 (orange)
Specific cable weight	m	kg/m	0.120
Temperature range during storage		°C	-30 ... +40
Ambient temperature during operation (fix installation)		°C	-30 ... +40
Ambient temperature during operation (flexible installation)		°C	-20 ... +30
Operation temperature on the wire (flexible/fix)		°C	80
Discharge capacity	C _{Y_K_typ}		
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	acc. to VDE 0295 Class 6 and VDE 0245 Part 1
Operating voltage of power wires			
Operating voltage of control wires			
Halogens			
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Latest amendment: 2013-01-03			

Technical Data of Rexroth Cables

Designation	Symbol	Unit	INK0691
Maximum horizontal travel path ⁵⁾	c	m	50
Bending and torsion stress		°	not suited
Latest amendment: 2013-01-03			

- 1)
2)
3) 4) 5)
Tab. 29-19:

UL file number acc. to cable labeling
Acc. to EN 50363-10-2
Drag chain parameter: Maximum value only particularly valid
INK - technical data
- 

Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.2.4 REG0010, Encoder Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	REG0010
Brief description of cable			(6x0.14mm ²)C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20233
Cross section	D	mm	max. 4.3
Cable jacket material ²⁾			PUR
Cable jacket color			RAL2003 (orange)
Specific cable weight	m	kg/m	0.027
Temperature range during storage		°C	-40 ... +80
Ambient temperature during operation (fix installation)		°C	-40 ... +80
Ambient temperature during operation (flexible installation)		°C	-40 ... +80
Operation temperature on the wire (flexible/fix)		°C	80
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	> 20
Operating voltage of control wires		V	300
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	10
Max. travel velocity ⁴⁾	v	m/s	5
Maximum horizontal travel path ⁵⁾	c	m	15
Bending and torsion stress		°	not suited

Latest amendment: 2013-01-03

- 1) UL file number acc. to cable labeling
2) Acc. to EN 50363-10-2
3) 4) 5) Drag chain parameter: Maximum value only particularly valid
Tab. 29-20: REG - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.2.5 REG0011, Encoder Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	REG0011
Brief description of cable			[4x0.5mm ² + 5x(2x0.14)StC]C
RoHS			according to EU-directive 2002/95/EG
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20233
Cross section	D	mm	10.0 +/-0.3
Cable jacket material ²⁾			PUR
Cable jacket color			RAL2003 (orange)
Specific cable weight	m	kg/m	0.027
Temperature range during storage		°C	-40 ... +80
Ambient temperature during operation (fix installation)		°C	-40 ... +80
Ambient temperature during operation (flexible installation)		°C	-40 ... +80
Operation temperature on the wire (flexible/fix)		°C	80
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	smaller than 39
Operating voltage of control wires			
Halogens			Halogen-free acc. to VDE 0472, Part 815
Oil resistance			EN 60811-2-1 and EN 50363-10-2
Burning behavior			UL 758, section 40, Cable Flame Test Section 1061 acc. to UL 1581 and CSA C22.2 No. 210-05 Sec. 8.8.2, test acc. to DIN EN 60332-1-2
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	4 x D
Max. acceleration ³⁾	a _{max}	m/s ²	50
Max. travel velocity ⁴⁾	v	m/s	50
Maximum horizontal travel path ⁵⁾	c	m	20
Bending and torsion stress		°	smaller +/- 30/m

Latest amendment: 2013-01-03

- 1) UL file number acc. to cable labeling
2) Acc. to EN 50363-10-2
3) 4) 5) Drag chain parameter: Maximum value only particularly valid
Tab. 29-21: REG - technical data

Technical Data of Rexroth Cables



Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

29.2.6 REG0748, Encoder Cable

Data Sheet - Bulk Cable

Designation	Symbol	Unit	REG0748
Brief description of cable			4P0.25 + 2x0.5
RoHS			
Recognized UL and CSA ¹⁾			cURus; UR+CSA
AWM Style (UL)			20317; 20233
Cross section	D	mm	8.5 +/-0.3
Cross section of the power wire		mm ²	0.5
Cable jacket material ²⁾			PUR
Cable jacket color			orange (similar with RAL2003)
Specific cable weight	m		
Temperature range during storage			
Ambient temperature during operation (fix installation)			
Ambient temperature during operation (flexible installation)			
Operation temperature on the wire (flexible/fix)			
Discharge capacity	C _{Y_K_typ}	nF/m	acc. to EN 50289-1-5
Conductor resistance at 20°C (EN 60228; class 6)	R ₂₀	Ohm/km	acc. to IEC 60228
Operating voltage of power wires		V	300
Operating voltage of control wires			
Halogens			halogen-free
Oil resistance			
Burning behavior			flame-resistant
Energy management chains			
Use in cable drag chains			Yes
Bending cycles		Mio.	5
Bending radius at flexible installation		mm	7.5 x D
Bending radius at fix installation		mm	5 x D
Max. acceleration ³⁾	a _{max}	m/s ²	20
Max. travel velocity ⁴⁾	v	m/s	3
Maximum horizontal travel path ⁵⁾	c	m	max. 5
Bending and torsion stress		°	+/- 180/30cm
Latest amendment: 2013-01-03			

1) UL file number acc. to cable labeling

Technical Data of Rexroth Cables

- 2) Acc. to EN 50363-10-2
3) 4) 5) Drag chain parameter: Maximum value only particularly valid
Tab. 29-22: INK - technical data
-



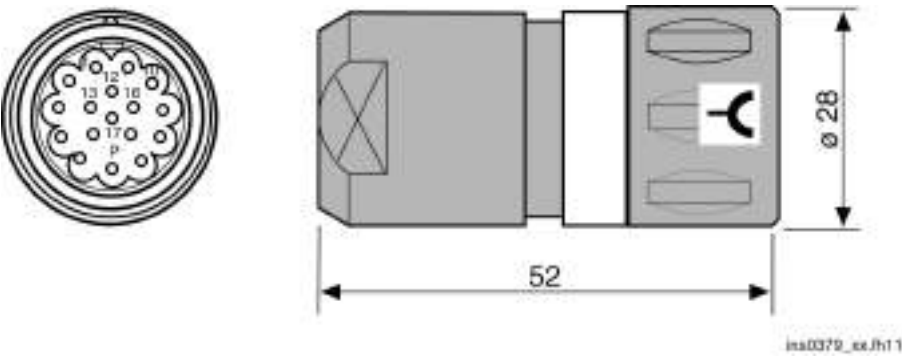
Changing the aforementioned parameters (acceleration, velocity, traverse path) can influence the lifetime of the cables or the numbers of bending cycles!

30 Components

30.1 Components

30.1.1 INS0379

M23 power connector 17 pin, synthetically covered, pol pattern P (levorotary), encoder



Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
INS0379/C01	8.5 ... 9.1	17	0.14 ... 0.83	Crimp contact (socket)

Tab. 30-1: INS0379, power connector, encoder

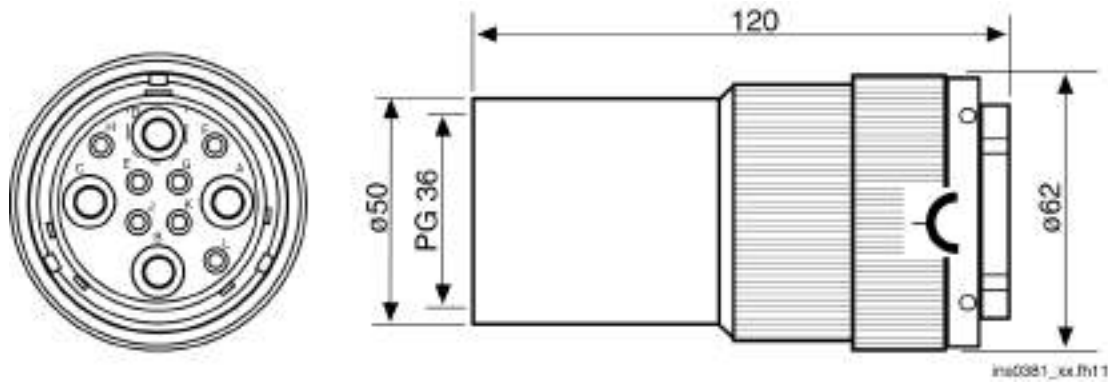


Connector with integrated cable clamp does not need any EMC fittings

Components

30.1.2INS0381

Power connector 11 pin, bayonet lock, power



Ordering designation	Power contacts			Control contact		
	Amount	Cross section [mm²]	Type [Socket]	Amount	Cross section [mm²]	Type [Socket]
INS0381/C06	3 + PE	6.0	Crimp contact	7	1.5	Crimp contact
INS0381/C10	3 + PE	10.0	Crimp contact	7	1.5	Crimp contact
INS0381/C16	3 + PE	16.0	Crimp contact	7	1.5	Crimp contact
INS0381/C25	3 + PE	25.0	Crimp contact	7	1.5	Crimp contact
INS0381/C35	3 + PE	35.0	Crimp contact	7	1.5	Crimp contact
INS0381/L35	3 + PE	35.0	Solder contact	7	1.5	Solder contact

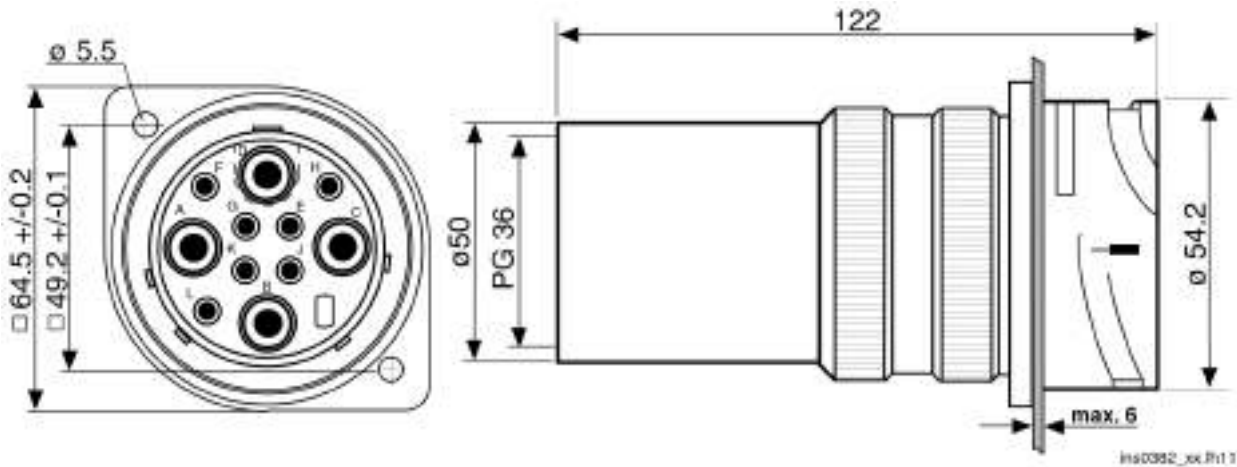
Tab. 30-2:INS0381, power connector, power



Connector without integrated cable clamp needs a EMC fitting.
See [tab. 30-54 "Fittings / reductions PG36"](#) on page 617

30.1.3 INS0382

Power connector 11 pin, bayonet lock, power



Ordering designation	Power contacts			Control contact		
	Amount	Cross section [mm²]	Type [Pin]	Amount	Cross section [mm²]	Type [Pin]
INS0382/C06	3 + PE	6.0	Crimp contact	7	1.5	Crimp contact
INS0382/C10	3 + PE	10.0	Crimp contact	7	1.5	Crimp contact
INS0382/C16	3 + PE	16.0	Crimp contact	7	1.5	Crimp contact
INS0382/C25	3 + PE	25.0	Crimp contact	7	1.5	Crimp contact
INS0382/L35	3 + PE	35.0	Solder contact	7	1.5	Solder contact

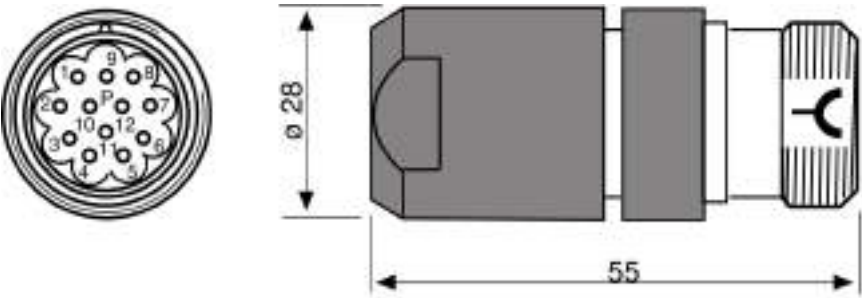
Tab. 30-3: INS0382, power connector, power



Connector without integrated cable clamp needs a EMC fitting.
See tab. 30-54 "Fittings / reductions PG36" on page 617

Components

30.1.4 INS0451



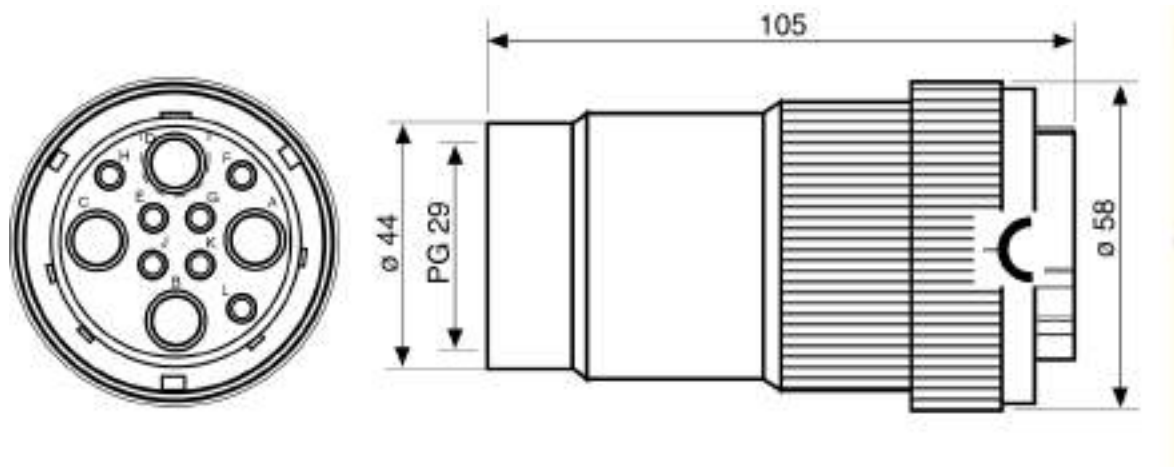
Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
INS0451/C01	8.5 ... 9.1	17	0.14 ... 0.83	Crimp contact (socket)

Tab. 30-4: INS0451, Encoder connector

 Connector with integrated cable clamp does not need any EMC fittings

30.1.5 INS0481

Power connector 11 pin, bayonet lock, power



Ordering designa- tion	Power contacts			Control contact		
	Amount	Cross section [mm²]	Type [Socket]	Amount	Cross section [mm²]	Type [Socket]
INS0481/C02	3 + PE	1.5	Crimp contact	7	1.5	Crimp contact
INS0481/C03	3 + PE	2.5	Crimp contact	7	1.5	Crimp contact
INS0481/C04	3 + PE	4.0	Crimp contact	7	1.5	Crimp contact
INS0481/C06	3 + PE	6.0	Crimp contact	7	1.5	Crimp contact
INS0481/L10	3 + PE	10.0	Solder contact	7	1.5	Solder contact

Tab. 30-5: INS0481, power connector, power

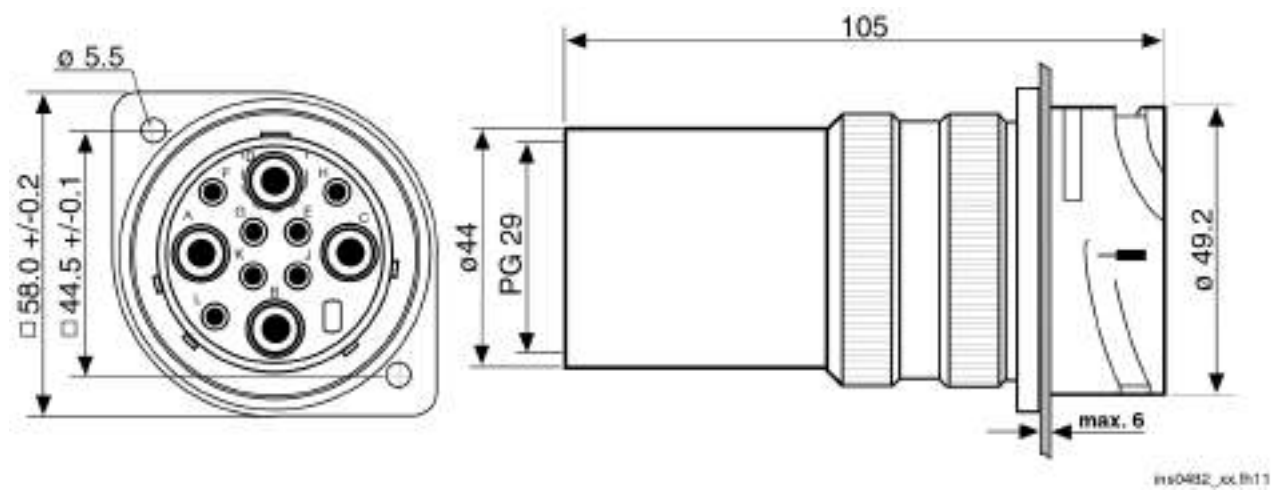


Connector without integrated cable clamp needs a EMC fitting.
See [tab. 30-53 "Fittings / reductions PG29 "](#) on page 617

Components

30.1.6 INS0482

Power connector 11 pin, bayonet lock, power



Ordering designation	Power contacts			Control contact		
	Amount	Cross section [mm²]	Type [Pin]	Amount	Cross section [mm²]	Type [Pin]
INS0482/C02	3 + PE	1.5	Crimp contact	7	1.5	Crimp contact
INS0482/C03	3 + PE	2.5	Crimp contact	7	1.5	Crimp contact
INS0482/C04	3 + PE	4.0	Crimp contact	7	1.5	Crimp contact
INS0482/C06	3 + PE	6.0	Crimp contact	7	1.5	Crimp contact
INS0482/L10	3 + PE	10.0	Solder contact	7	1.5	Solder contact

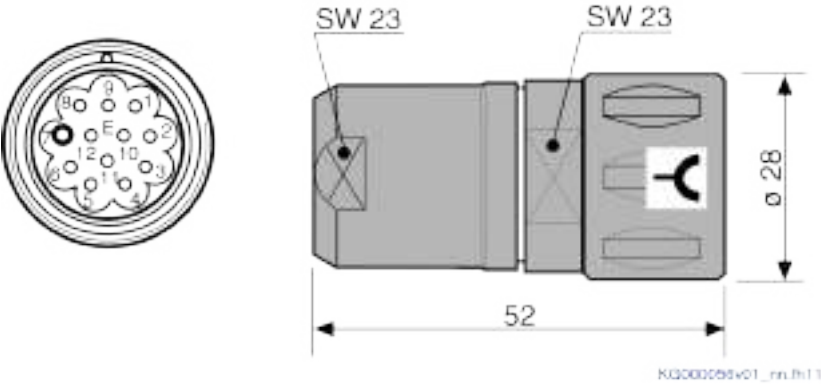
Tab. 30-6: INS0482, power connector, power



Connector without integrated cable clamp needs a EMC fitting.
See [tab. 30-53 "Fittings / reductions PG29"](#) on page 617

30.1.7 INS0493

M23 power connector 12 pin, synthetically covered, coding Pin7, pol pattern P (rotating to the right), encoder



Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
INS0493/C01	8.5 ... 9.1	12	0.14 ... 0.83	Crimp contact (socket)
INS0493/L01	8.5 ... 9.1	mounted		Solder contact (socket)

Tab. 30-7: INS0493, power connector, encoder

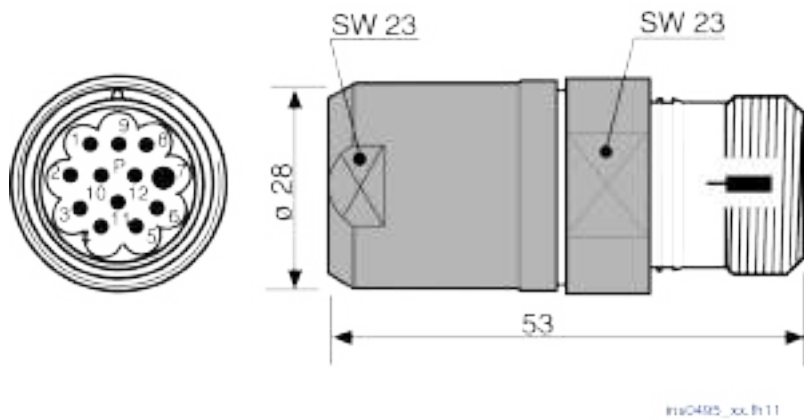


Connector with integrated cable clamp does not need any EMC fittings

Components

30.1.8 INS0495

M23 power connector 12 pin, synthetically covered, coding Pin7, pol pattern P (levorotary), encoder



Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
INS0495/C01	8.5 ... 9.1	12	0.14 ... 0.83	Crimp contact (pin)

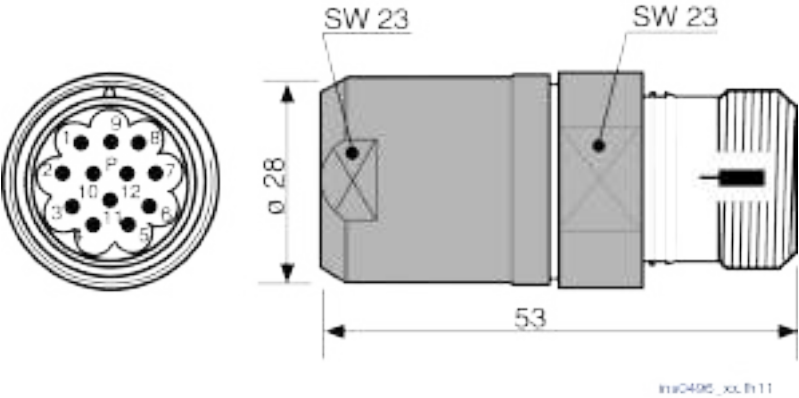
Tab. 30-8: INS0495, power connector, encoder



Connector with integrated cable clamp does not need any EMC fittings

30.1.9 INS0496

M23 power connector 12 pin, synthetically covered, pol pattern P (levorotary), encoder



Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
INS0496/C01	8.5 ... 9.1	12	0.14 ... 0.83	Crimp contact (pin)

Tab. 30-9: INS0496, power connector, encoder

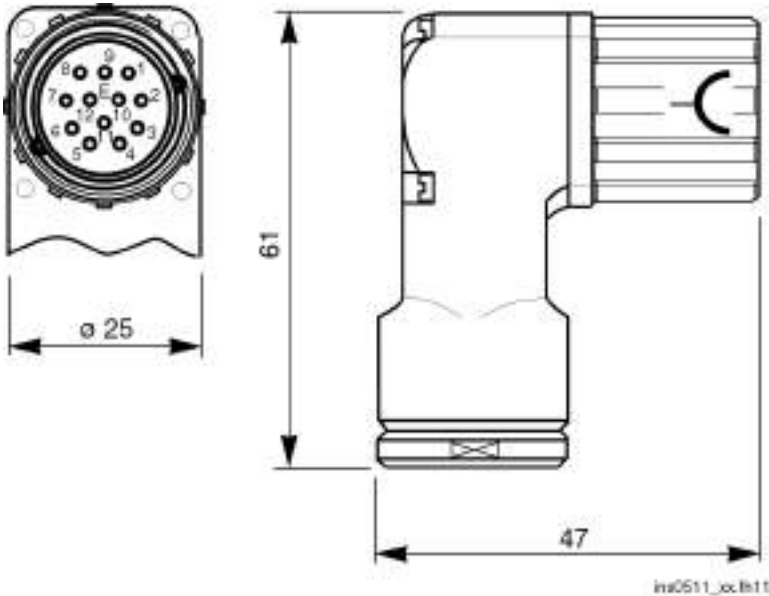


Connector with integrated cable clamp does not need any EMC fittings

Components

30.1.10 INS0511

M23 power connector 12 pin, angular, coding 80° / -120°,
Pol pattern P (rotating to the right), encoder, housing shield via metallic shield end



Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
INS0511/C01	8.5 ... 9.1	12	0.14 ... 1.0	Crimp contact (socket)

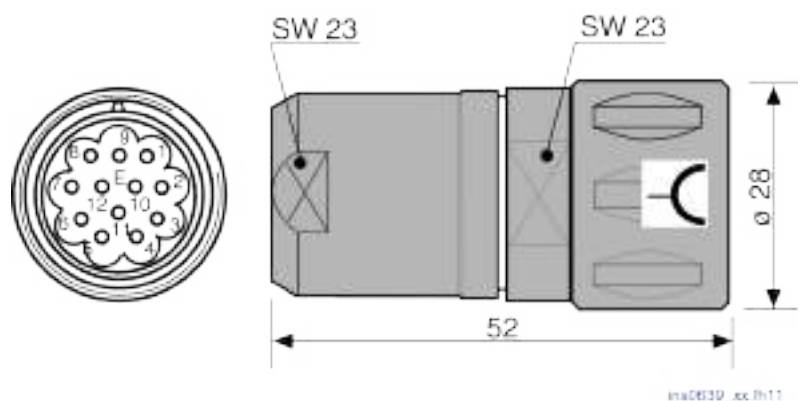
Tab. 30-10: INS0511, power connector, encoder



Connector with integrated cable clamp does not need any EMC fittings

30.1.11 INS0639

M23 power connector 12 pin, synthetically covered, pol pattern E (rotating to the right), encoder



Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm ²]	Type
INS0639/C01	8.5 ... 9.1	12	0.14 ... 0.83	Crimp contact (socket)

Tab. 30-11: INS0639, power connector, encoder

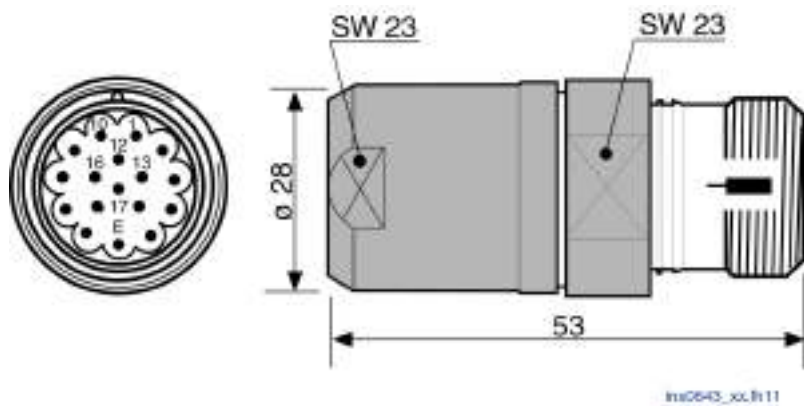


Connector with integrated cable clamp does not need any EMC fittings

Components

30.1.12 INS0643

M23 power connector 17 pin, synthetically covered, pol pattern E (rotating to the right), encoder



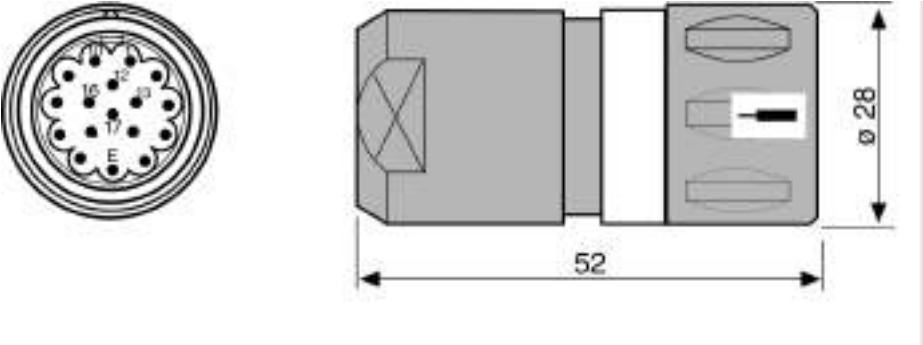
Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
INS0643/C01	8.5 ... 9.1	17	0.14 ... 0.83	Crimp contact (pin)

Tab. 30-12: INS0643, power connector, encoder

 Connector with integrated cable clamp does not need any EMC fittings

30.1.13 INS0649

M23 power connector 17 pin, synthetically covered, pol pattern E (rotating to the right), encoder



Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
INS0649/C01	8.5 ... 9.1	17	0.14 ... 0.83	Crimp contact (pin)

Tab. 30-13: INS0649, power connector, encoder

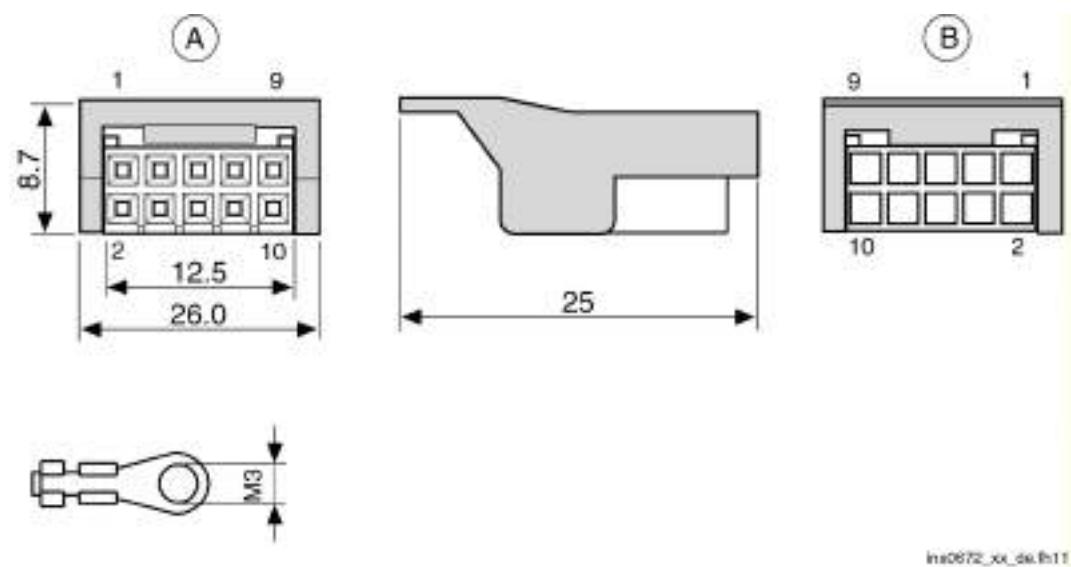


Connector with integrated cable clamp does not need any EMC fittings

Components

30.1.14 INS0672

Connector set: clamp terminal 10 pin with strain relief and ring terminal, encoder



Ⓐ = insertion view
Ⓑ = connector side

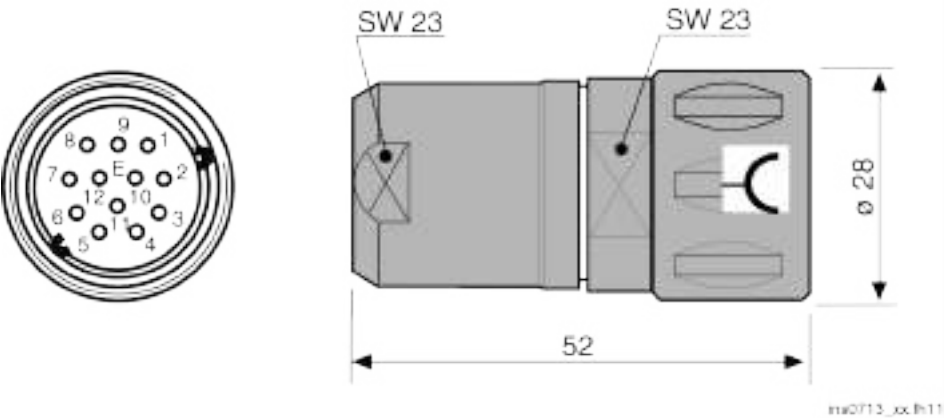
Ordering designation	Shield contact		Control contact		
	Amount	Cross section [mm²]	Amount	Cross section [mm²]	Type
INS0672/C01			10	0.25 ... 0.5	Crimp contact
	1	0.25 ... 1.5			Ring cable lug

Tab. 30-14: INS0672, clamp terminal, encoder

 Connector set for encoder contacting within the terminal box.

30.1.15 INS0713

M23 power connector 12 pin, synthetically covered, coding 80° / -120°,
Pol pattern E (rotating to the right), encoder



Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
INS0713/C01	8.5 ... 9.1	12	0.14 ... 0.83	Crimp contact (socket)

Tab. 30-15: INS0713, power connector, encoder

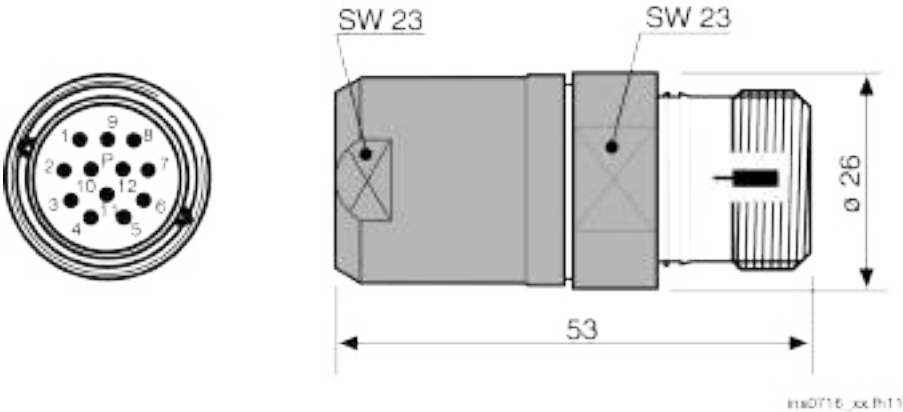


Connector with integrated cable clamp does not need any EMC fittings

Components

30.1.16 INS0716

M23 power connector 12 pin, synthetically covered, coding 80° / -120°,
Pol pattern E ((levorotary), encoder



Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
INS0716/C01	8.5 ... 9.1	12	0.14 ... 0.83	Crimp contact (pin)

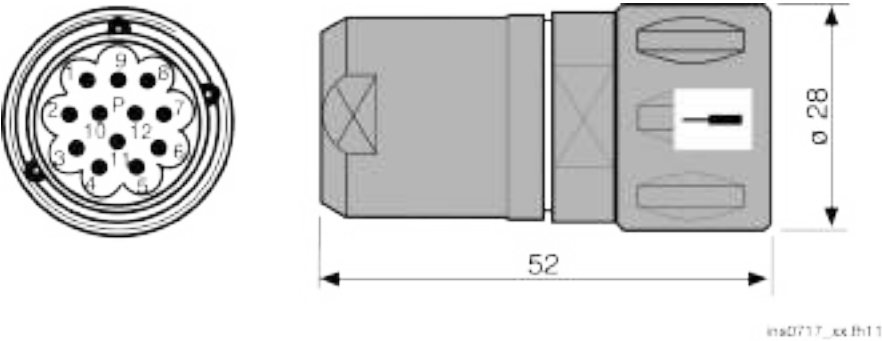
Tab. 30-16: INS0716, power connector, encoder



Connector with integrated cable clamp does not need any EMC fittings

30.1.17 INS0717

M23 power connector 12 pin, synthetically covered, coding 80° / -120°,
Pol pattern E (rotating to the right), encoder



Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
INS0717/C01	8.5 ... 9.1	12	0.14 ... 0.83	Crimp contact (pin)

Tab. 30-17: INS0717, power connector, encoder

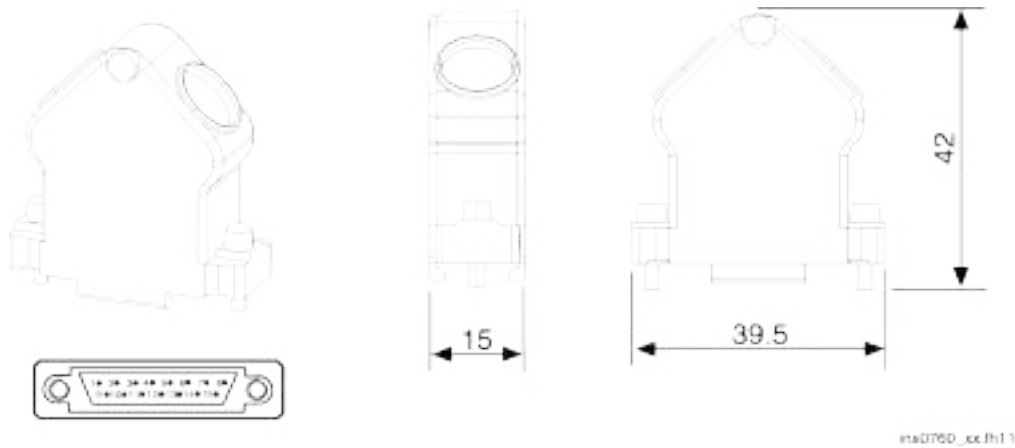


Connector with integrated cable clamp does not need any EMC fittings

Components

30.1.18 INS0760

D-sub 15 pin, metallic housing for shielding, 2x 45°-cable output, encoder



Ordering designation	Clamping range [mm]	Contact		
		Amount	Cross section [mm²]	Type
INS0760/C01	4.8 ... 11	15	0.2 ... 0.5	Crimp contact (pin)
INS0760/L01	4.8 ... 11	15	0.14 ... 0.5	Solder contact (pin)

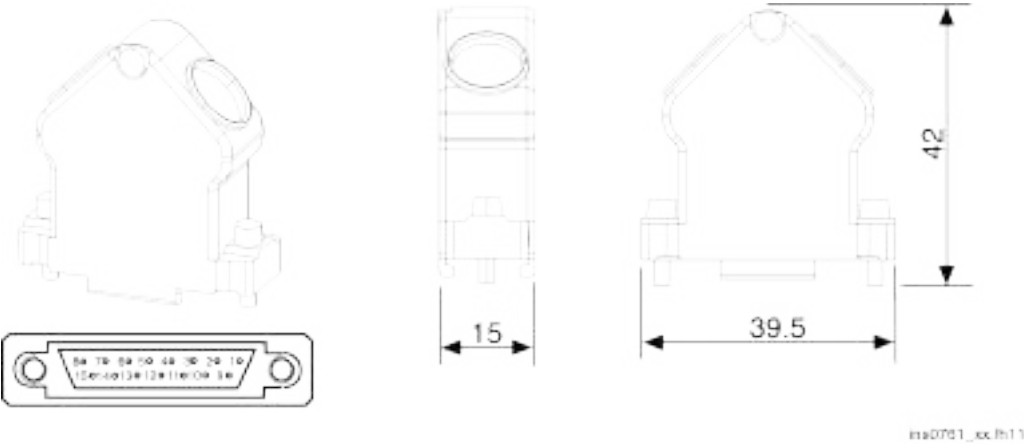
Tab. 30-18: INS0760, D-sub, encoder



Connector with integrated cable clamping

30.1.19 INS0761

D-sub 15 pin, metallic housing for shielding, 2x 45°-cable output, encoder



Ordering designation	Clamping range [mm]	Contact		
		Amount	Cross section [mm²]	Type
INS0761/L01	4.8 ... 11	15	0.14 ... 0.5	Solder contact (socket)

Tab. 30-19: INS0761, D-sub, encoder

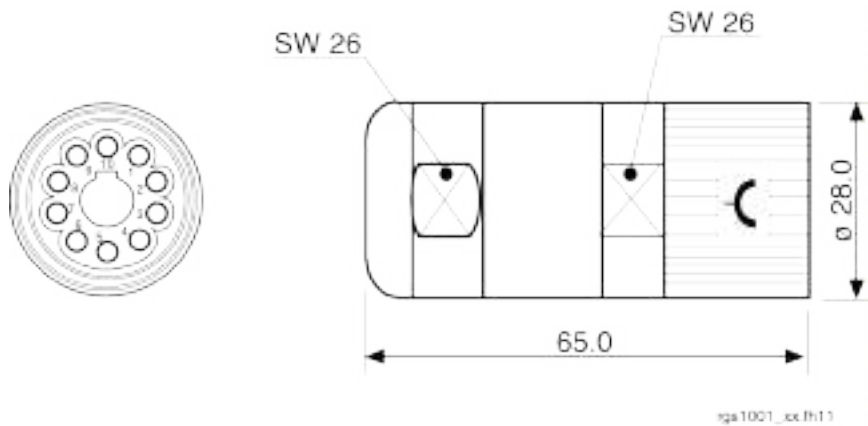


Connector with integrated cable clamping

Components

30.1.20 RGS1001

M23 power connector 10 pin, encoder



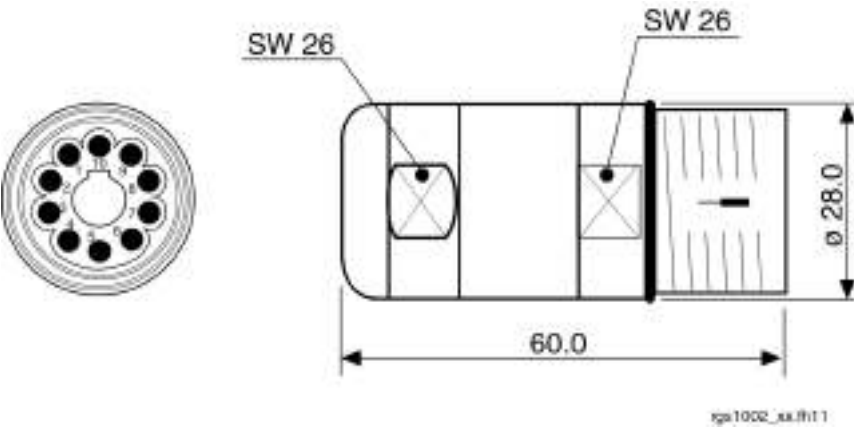
Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
RGS1001/C01	7.5 ... 9	10	0.25 ... 1.0	Crimp contact (socket)

Tab. 30-20: RGS1001, power connector, encoder

 Connector with integrated cable clamp does not need any EMC fittings

30.1.21 RGS1002

M23 power connector 10 pin, encoder



Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
RGS1002	7.5 ... 9	10	0.14 ... 0.5	Crimp contact (pin)

Tab. 30-21: RGS1002, power connector, encoder

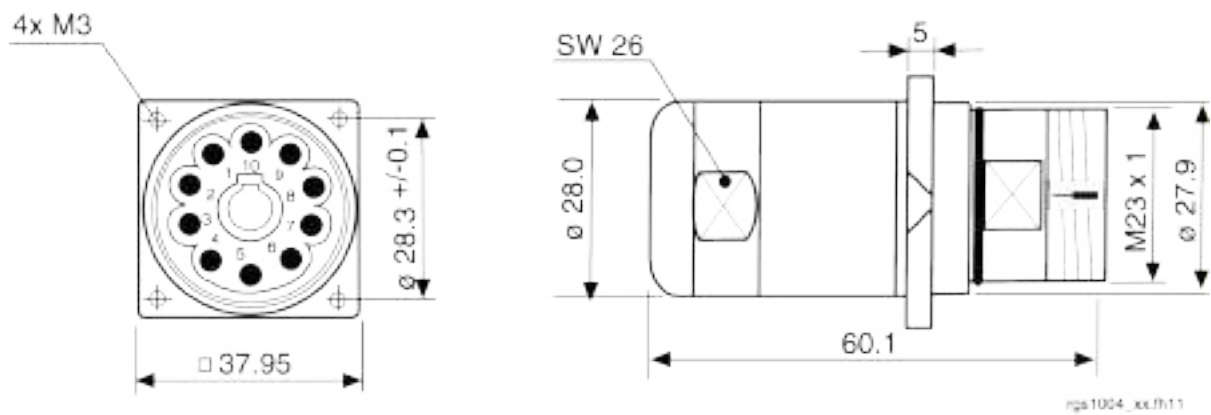


Connector with integrated cable clamp does not need any EMC fittings

Components

30.1.22 RGS1004

M23 power connector with flange 10 pin, encoder



Ordering designation	Clamping range [mm]	Control contact		
		Amount	Cross section [mm²]	Type
RGS1004	7.5 ... 9	10	0.14 ... 0.5	Crimp contact (pin)

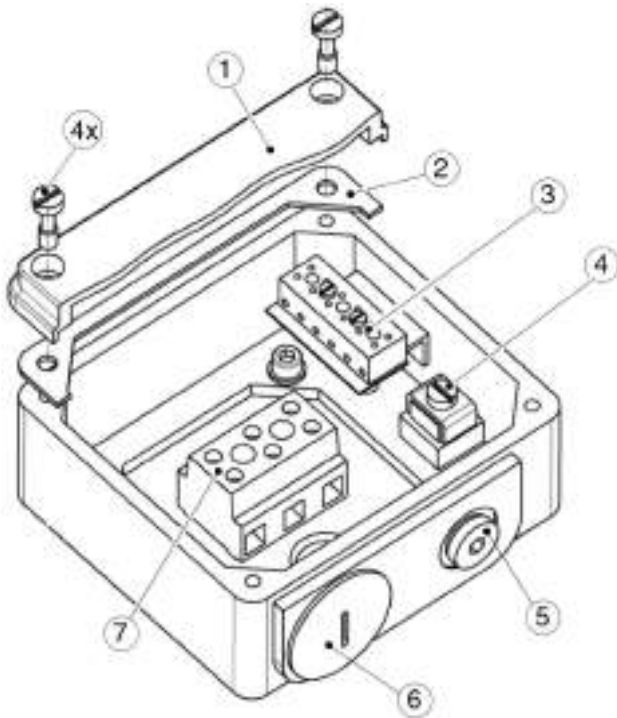
Tab. 30-22: RGS1004, power connector with flange, encoder



Connector with integrated cable clamp does not need any EMC fittings

30.1.23 RLK0003

RLKxxxx - designation for terminal box design and connection design of the cable



RLK0003

Pos	Components within terminal box	Connection component for cable
(7)	Terminal block U-V-W	Wire end ferrule
(3)	Terminal strip (brake, temperature sensor)	Wire end ferrule
(4)	Ground terminal connection	Ring terminal M6
(6)	Metric thread M32 x 1.5	EMC fitting, reducer if necessary

Tab. 30-23: RLK0003, electric connection components



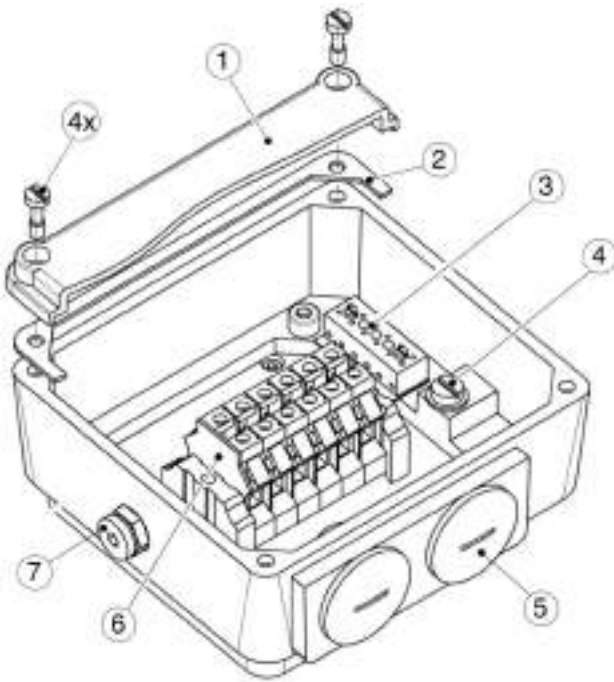
Terminal box with metric thread. For assembly, EMC fitting, reducer if necessary

See tab. 30-49 "Fittings / reductions M32 × 1.5 " on page 615

Components

30.1.24 RLK0004

RLKxxxx - designation for terminal box design and connection design of the cable



RLK0004

Pos	Designation	Connection component for cable
(6)	Terminal block U-V-W	Wire end ferrule
(3)	Terminal strip (brake, temperature sensor)	Wire end ferrule
(4)	Ground terminal connection	Ring terminal M8
(5)	Metric thread M40 x 1.5	EMC fitting, reducer if necessary

Tab. 30-24: RLK0004, electric connection components

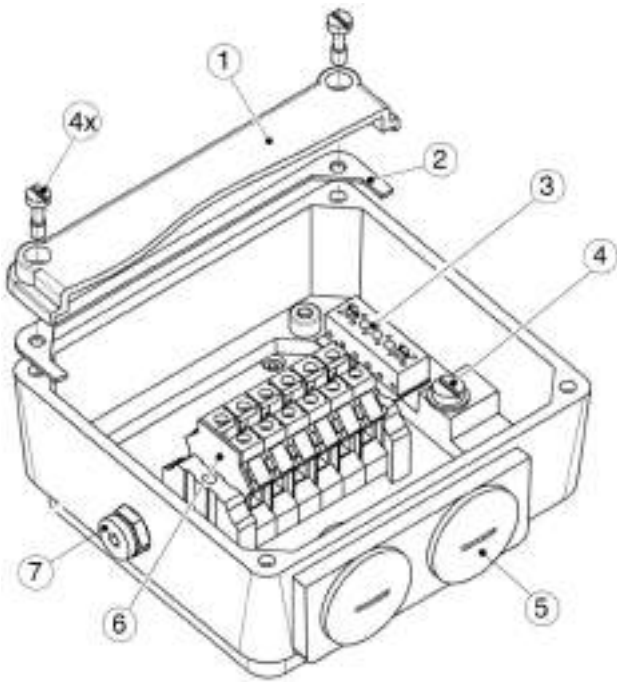


Terminal box with metric thread. For assembly, EMC fitting, reducer if necessary

See [tab. 30-50 "Fittings / reductions M40 × 1.5 "](#) on page 615

30.1.25 RLK0005

RLKxxxx - designation for terminal box design and connection design of the cable



RLK0005

Pos	Components within terminal box	Connection component for cable
(6)	Terminal block U-V-W	Wire end ferrule
(3)	Terminal strip (brake, temperature sensor)	Wire end ferrule
(4)	Ground terminal connection	Ring terminal M8
(6)	Metric thread M50 x 1.5	EMC fitting, reducer if necessary

Tab. 30-25: RLK0005, electric connection components



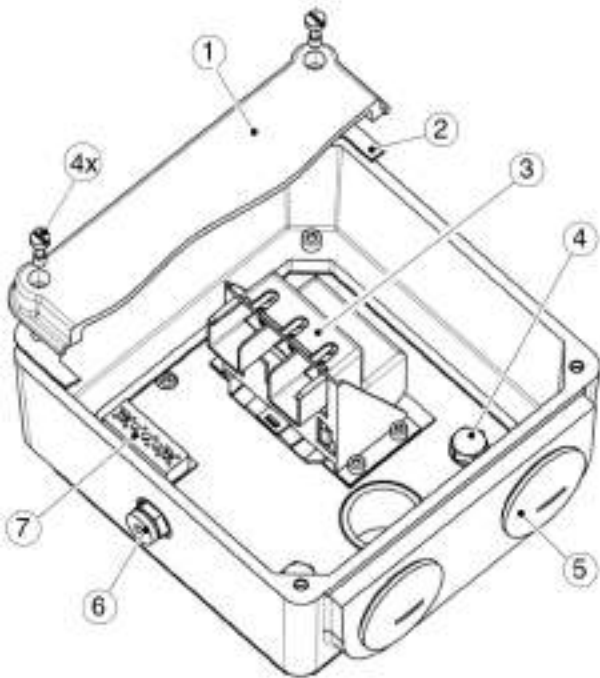
Terminal box with metric thread. For assembly, EMC fitting, reducer if necessary

See tab. 30-51 "Fittings / reductions M50 × 1.5 " on page 616

Components

30.1.26 RLK0006

RLKxxxx - designation for terminal box design and connection design of the cable



Connection components RLK0006

Pos	Components within terminal box	Connection component for cable
(3)	Terminal block U-V-W	Ring terminal M6
(7)	Terminal strip (brake, temperature sensor)	Wire end ferrule
(4)	Ground terminal connection	Ring terminal M10
(5)	Metric thread M50 x 1.5	EMC fitting, reducer if necessary

Tab. 30-26: RLK0006, electric connection components

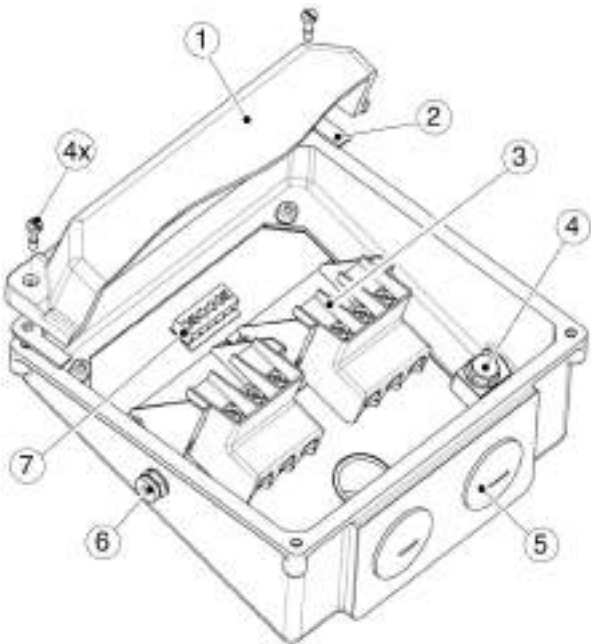


Terminal box with metric thread. For assembly, EMC fitting, reducer if necessary

See [tab. 30-51 "Fittings / reductions M50 × 1.5 "](#) on page 616

30.1.27 RLK0007

RLKxxxx - designation for terminal box design and connection design of the cable



Connection components RLK0007

Pos	Designation	Value
(3)	Terminal block U-V-W	Ring terminal M6
(7)	Terminal strip (brake, temperature sensor)	Wire end ferrule
(4)	Ground terminal connection	Ring terminal M12
(5)	Metric thread M50 x 1.5	EMC fitting, reducer if necessary

Tab. 30-27: RLK0007, electric connection components



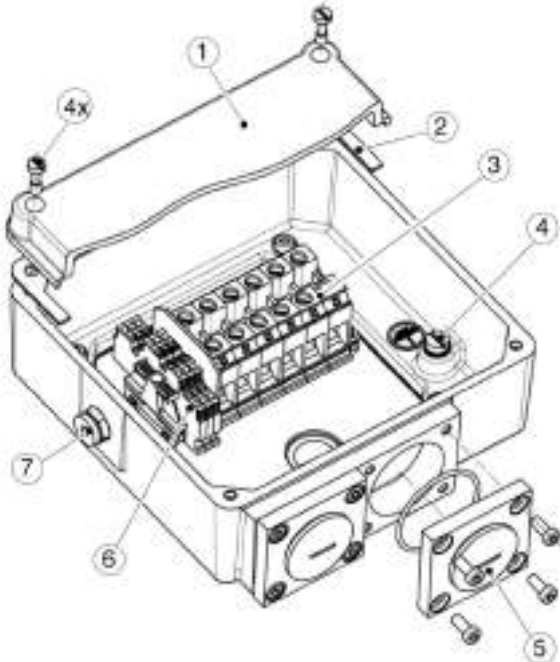
Terminal box with metric thread. For assembly, EMC fitting, reducer if necessary

See tab. 30-51 "Fittings / reductions M50 × 1.5 " on page 616

Components

30.1.28 RLK1201

RLK1201 - Connection design of cable (designation of terminal box RLK1200)
The figure shows a terminal box, completely assembled, for double cabling.



Connection components RLK1200 / RLK1201

Pos	Components within terminal box	Connection component for cable
(3)	Terminal block U-V-W	Wire end ferrule
(6)	Terminal strip (brake, temperature sensor)	Wire end ferrule
(4)	Ground terminal connection	Ring terminal M8
(5)	Adapter plate (thread metric) M25 × 1.5 / M32 × 1.5 alternatively: extension M32/40	EMC fitting

Tab. 30-28: RLK1200/RLK1201, electric connection components

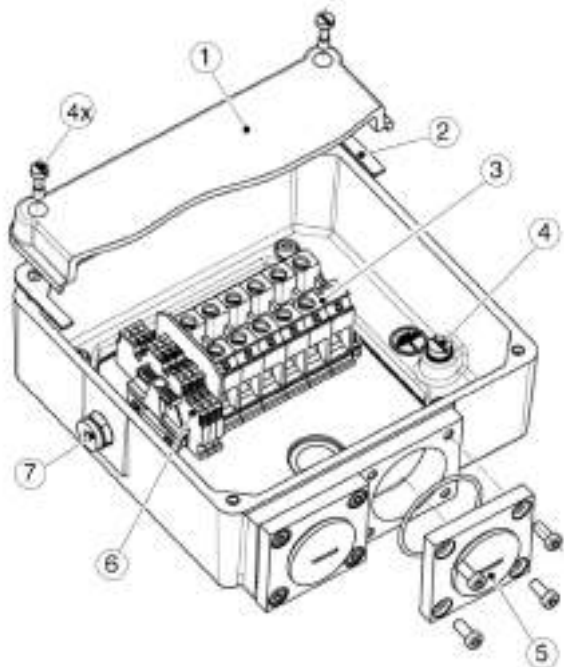


Terminal box with metric thread. An EMC fitting is necessary for assembly.

See [tab. 30-52 "Accessories Rexroth cable \(fittings\) "](#) on page 616

30.1.29 RLK1301

RLK1301 - Connection design of cable (designation of terminal box RLK1300)
The figure shows a terminal box, completely assembled, for double cabling.



Connection components RLK1300 / RLK1301

Pos	Components within terminal box	Connection component for cable
(3)	Terminal block U-V-W	Wire end ferrule
(6)	Terminal strip (brake, temperature sensor)	Wire end ferrule
(4)	Ground terminal connection	Ring terminal M8
(5)	Adapter plate (thread metric) M25 × 1.5 / M32 × 1.5 / M40 × 1.5	EMC fitting

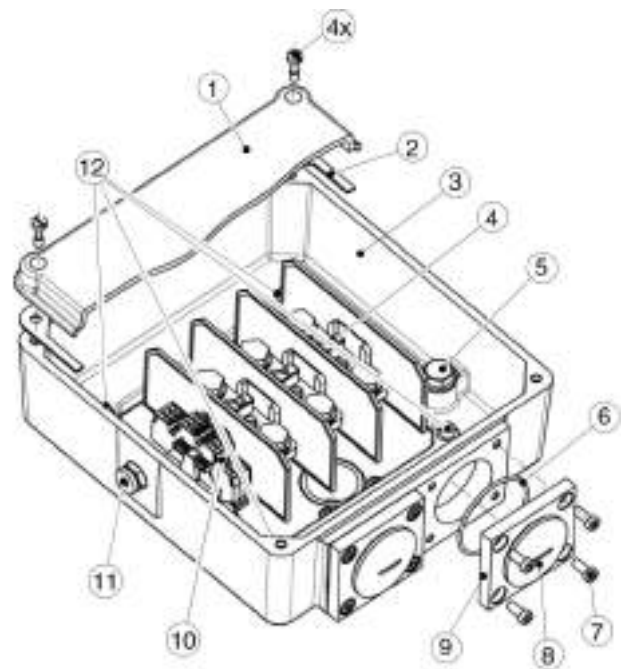
Tab. 30-29: RLK1300/RLK1301, electric connection components

 Terminal box with metric thread. An EMC fitting is necessary for assembly.
See [tab. 30-52 "Accessories Rexroth cable \(fittings\) "](#) on page 616

Components

30.1.30 RLK1401

RLK1401 - Connection design of cable (designation of terminal box RLK1400)
 The figure shows a terminal box, completely assembled, for double cabling.



Connection components RLK1400 / RLK1401

Pos	Components terminal boxes	Connection component for cable
(4)	Terminal block U-V-W	Ring terminal M12
(10)	Terminal strip (brake, temperature sensor)	Wire end ferrule
(5)	Ground terminal connection	Ring terminal M12
(9)	Adapter plate (thread metric) M32 × 1.5 / M40 × 1.5 / M50 × 1.5	EMC fitting

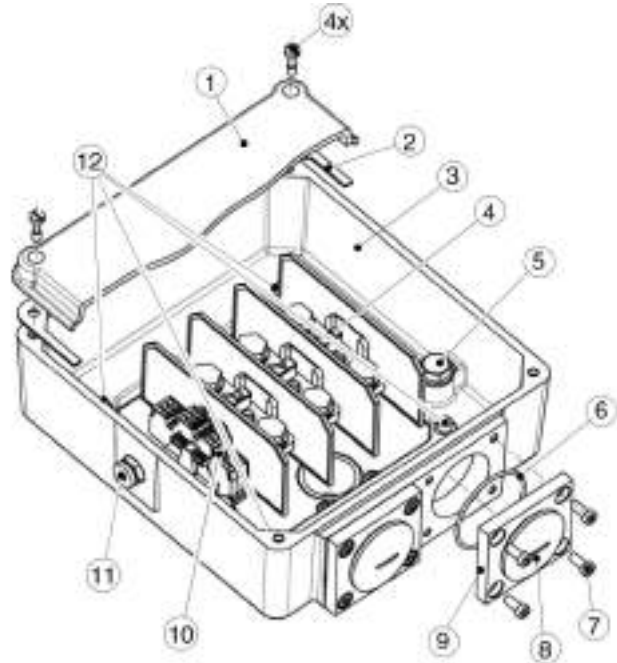
Tab. 30-30: RLK1400/RLK1401, electric connection components



Terminal box with metric thread. An EMC fitting is necessary for assembly.
 See [tab. 30-52 "Accessories Rexroth cable \(fittings\) "](#) on page 616

30.1.31 RLK1501

RLK1501 - Connection design of cable (designation of terminal box RLK1500)
The figure shows a terminal box, completely assembled, for double cabling.



Connection components RLK1500 / RLK1501

Pos	Components terminal boxes	Connection component for cable
(4)	Terminal block U-V-W	Ring terminal M12
(10)	Terminal strip (brake, temperature sensor)	Wire end ferrule
(5)	Ground terminal connection	Ring terminal M12
(9)	Adapter plate (thread metric) M40 × 1.5 / M50 × 1.5	EMC fitting

Tab. 30-31: RLK1500/RLK1501, electric connection components



Terminal box with metric thread. An EMC fitting is necessary for assembly.
See [tab. 30-52 "Accessories Rexroth cable \(fittings\) "](#) on page 616

Components

30.1.32 RLS0721

Connection set for IndraDrive drive devices

- **RLS0721**
- HCS02.1E-W0054
- HCS02.1E-W0070
- HCS03.1E-W0070
- HMS01.1N-W0054
- HMS01.1N-W0070
- HMS02.1N-W0054

Designation	Rexroth cables	Package insert
RLS0721/K01	INK0653	R911336848
RLS0721/K02	INK0650	R911337028
RLS0721/K03	INK0602	R911337067
RLS0721/K04	INK0603	R911337068
RLS0721/K06	INK0604	R911337069
RLS0721/K10	INK0605	R911337070
RLS0721/K16	INK0606	R911337071
For details refer to package insert RLS0721/Kxx http://www.boschrexroth.com/various/utilities/mediadirectory/index.jsp		

Tab. 30-32: Package insert

30.1.33 RLS0722

Connection set for IndraDrive drive devices

RLS0722

HCS02.1E-W0012
HCS02.1E-W0028
HMD01.1N-W0012
HMD01.1N-W0020
HMD01.1N-W0036
HMS01.1N-W0020
HMS01.1N-W0036
HMS02.1N-W0028

Designation	Rexroth cables	Package insert
RLS0722/K01	INK0653	R911337343
RLS0722/K02	INK0650	R911337344
RLS0722/K03	INK0602	R911337345
RLS0722/K04	INK0603	R911337346
For details refer to package insert RLS0722/Kxx http://www.boschrexroth.com/variou utilities/mediadirectory/index.jsp		

Tab. 30-33: Package insert

Components

30.1.34
RLS0723

Connection set for IndraDrive drive devices

- RLS0723
- HCS03.1E-W0100
- HCS03.1E-W0150
- HMS01.1N-W0110
- HMS01.1N-W0150
- HMS01.1N-W0210

Designation	Rexroth cables	Package insert
RLS0723/K03	INK0602	R911337495
RLS0723/K04	INK0603	R911337496
RLS0723/K06	INK0604	R911337497
RLS0723/K10	INK0605	R911337498
RLS0723/K16	INK0606	R911337499
RLS0723/K25	INK0607	R911337500
RLS0723/K35	INK0667	R911337501
RLS0723/K50	INK0668	R911337502
For details refer to package insert RLS0723/Kxx http://www.boschrexroth.com/variou s/utilities/mediadirectory/index.jsp		

Tab. 30-34:
Package insert

30.1.35 RLS0724

Connection set for IndraDrive drive devices

● RLS0724
HCS03.1E-W0210

Designation	Rexroth cables	Package insert
RLS0724/K16	INK0606	R911337905
RLS0724/K25	INK0607	R911337906
RLS0724/K35	INK0667	R911337907
RLS0724/K50	INK0668	R911337908
For details refer to package insert RLS0724/Kxx http://www.boschrexroth.com/various/utilities/mediadirectory/index.jsp		

Tab. 30-35: Package insert

Components

30.1.36 RLS0727

Connection set for IndraDrive drive devices

- RLS0727
- HCSo4.1E-W0500
- HMS01.1N-W0350

Designation	Rexroth cables	Package insert
RLS0727/K25	INK0607	R911337912
RLS0727/K35	INK0667	R911337913
RLS0727/K50	INK0668	R911337914
For details refer to package insert RLS0727/Kxx http://www.boschrexroth.com/various/utilities/mediadirectory/index.jsp		

Tab. 30-36: Package insert

30.1.37 RLS0745

Connection set for IndraDrive drive devices

RLS0745

HCS01.1E-W0003
HCS01.1E-W0005
HCS01.1E-W0006
HCS01.1E-W0008
HCS01.1E-W0009
HCS01.1E-W0013

Separate parts for cable connection RLS0745/xxx

Pos	Designation	Amount	
RLS0745/...		.../K01	.../K02
10	Screw terminal 3 pin 	1	1
20	Screw terminal 4 pin 	1	1
30	Wire end ferrule [mm²]	4 x 0,5	4 x 0.75
40	Terminal end M5 [mm²]	1 x 0.5 ... 1.5	1 x 0.5 ... 1.5
50	Adhesive heat-shrink tubing [mm]	1 x 15	1 x 15
60	Copper adhesive tape[mm]	1 x 70	1 x 70

Designation	Rexroth cables	Package insert
RLS0745/K01	INK0670	in preparation
RLS0745/K02	INK0653	in preparation
Package insert RLS0745/Kxx http://www.boschrexroth.com/various/utilities/mediadirectory/index.jsp		

Tab. 30-37: Package insert

Components

30.1.38 RLS0746

Connection set for IndraDrive drive devices

• RLS0746

HCS01.1E-W001B

HCS01.1E-W002B

Separate parts for cable connection RLS0746/xxx

Pos	Designation	Amount		
RLS0746/...		.../K01	.../K02	.../K03
10	Screw terminal 3 pin 	1	1	1
20	Screw terminal 4 pin 	1	1	1
30	Wire end ferrule [mm ²]	2 x 0,5	4 x 0.75	4 x 1.0
40	Terminal end M5 [mm ²]	1 x 0.5 ... 1.5	1 x 1.5 ... 2.5	1 x 1.5 ... 2.5
50	Adhesive heat-shrink tubing [mm]	1 x 15	1 x 15	1 x 15
60	Copper adhesive tape[mm]	1 x 70	1 x 70	1 x 70

Designation	Rexroth cables	Package insert
RLS0746/K01	INK0670	in preparation
RLS0746/K02	INK0650, INK0653	in preparation
RLS0746/K03	INK0602	in preparation
Package insert RLS0746/Kxx http://www.boschrexroth.com/various/utilities/mediadirectory/index.jsp		

Tab. 30-38: Package insert

30.1.39 RLS0749

Connection for IndraDrive drive devices

● **RLS0749**
HCS01.1E-W0054

Separate parts for cable connection RLS0749/xxx (not orderable)

Pos	Designation	Amount						
RLS0749...		.../KM75	.../K01	.../K02	.../K03	.../K04	.../K06	
10	Connector terminal 3-pole 	1	1	1	1	1	1	Component on controller
20	Connector terminal 4-pole 	1	1	1	1	1	1	Component on controller
30	Wire end ferrule [mm ²]	2 x 0,5	4 x 0.75	4 x 0.75	4 x 1.0	2 x 1.0	2 x 1.0	
40	Wire end ferrule [mm ²]	--	--	--	--	2 x 1.5	2 x 1.5	
50	Terminal end M5 [mm ²]	--	--	--	--	1 x 4,0 ... 6,0	1 x 4,0 ... 6,0	
60	Fork cable terminal M5 [mm ²]	1 x 0,5 ... 1,5	1 x 0,5 ... 1,5	1 x 0,5 ... 1,5	1 x 1,5 ... 2,5	--	--	
70	Copper band 25 mm wide; length [mm]	1 x 60	1 x 60	1 x 60	1 x 70	1 x 80	1 x 80	
80	Adhesive heat-shrink tubing [mm]	1 x 25	1 x 25	1 x 25	1 x 25	1 x 25	1 x 25	

Designation	Rexroth cables	Package insert
RLS0749/KM75	INK0670	Not available
RLS0749/K01	INK0653	Not available
RLS0749/K02	INK0650	Not available
RLS0749/K03	INK0602	Not available
RLS0749/K04	INK0603	Not available
RLS0749/K06	INK0604	Not available

For information about pin assignment refer to R911322210, DOK-INDRV*-HCS01...

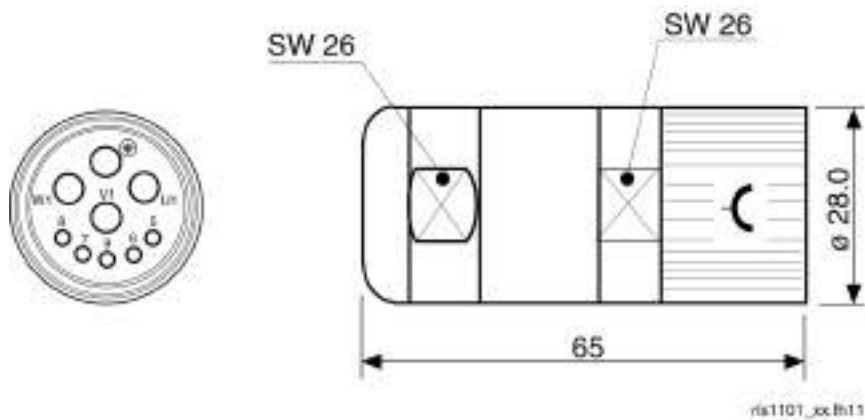
<http://www.boschrexroth.com/various/utilities/mediadirectory/index.jsp>

Tab. 30-39: Package insert

Components

30.1.40 RLS1101

M23 power connector 9 pin, power



Ordering designation	Clamping range [mm]	Power contacts			Control contact		
		Amount	Cross section [mm²]	Type	Amount	Cross section [mm²]	Type
RLS1101/C02	11 ... 14	3 + PE	1.0 ...1.5	Crimp contact (socket)	5	0.25 ...1.0	Crimp contact (socket)

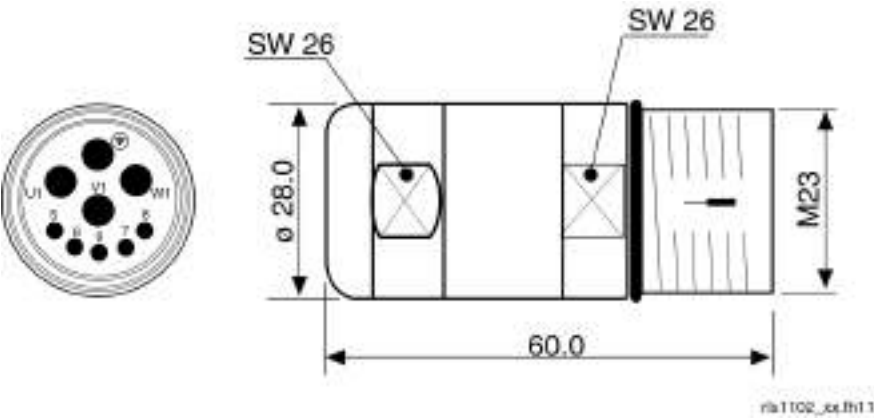
Tab. 30-40: RLS1101, power connector, power



Connector with integrated cable clamp does not need any EMC fittings

30.1.41 RLS1102

M23 power connector 9 pin, power



Ordering designation	Clamping range [mm]	Power contacts			Control contact		
		Amount	Cross section [mm²]	Type	Amount	Cross section [mm²]	Type
RLS1102/C02	11 ... 14	3 + PE	1.0 ... 1.5	Crimp contact (pin)	5	0.25 ... 1.0	Crimp contact (pin)

Tab. 30-41: RLS1102, power connector, power

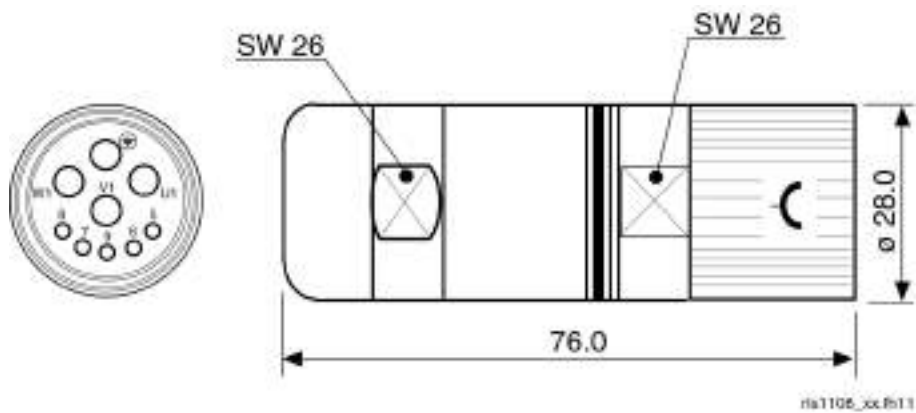


Connector with integrated cable clamp does not need any EMC fittings

Components

30.1.42 RLS1108

M23 power connector 9 pin, power



Ordering designa- tion	Clamping range [mm]	Power contacts			Control contact		
		Amount	Cross sec- tion [mm²]	Type	Amount	Cross sec- tion [mm²]	Type
RLS1108/C03	7.5 ... 18 (Onion seal)	3 + PE	1.0 ... 2.5	Crimp con- tact (socket)	5	0.25 ... 1.0	Crimp con- tact (socket)

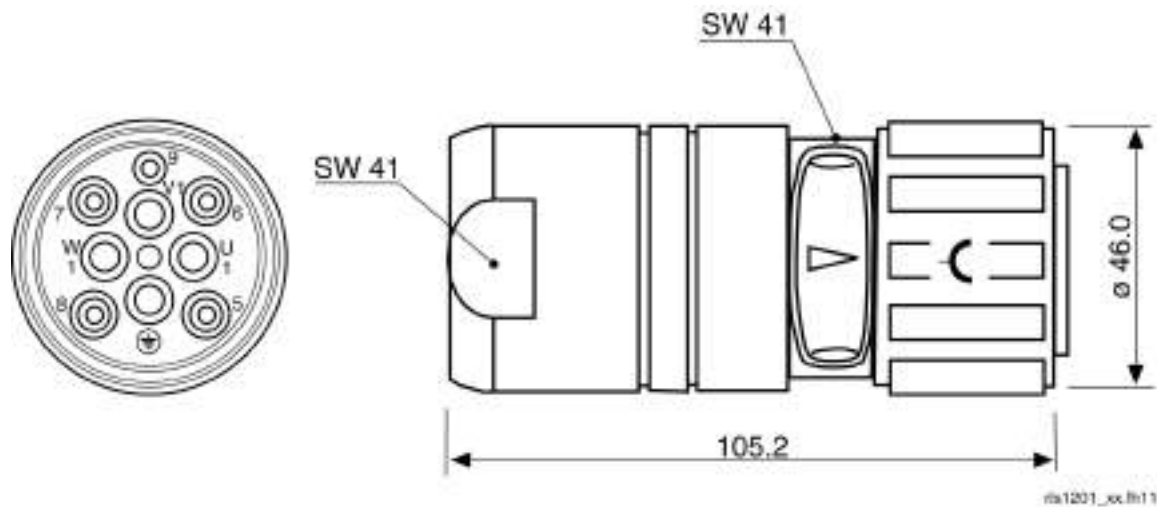
Tab. 30-42: RLS1108, power connector, power



Connector with integrated cable clamp does not need any EMC fittings

30.1.43 RLS1201

M40 power connector 9 pin, power



Ordering designation	Clamping range [mm]	Power contacts			Control contact		
		Amount	Cross section [mm²]	Type (socket)	Amount	Cross section [mm²]	Type (socket)
RLS1201/C03	9 ... 12.7	3 + PE	1.0 ... 2.5	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1201/C04	13 ... 17.3	3 + PE	2.5 ... 4.0	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1201/C06	17.5 ... 21.5	3 + PE	6.0 ... 10.0	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1301/C10	21.5 ... 26	3 + PE	6.0 ... 10.0	Crimp contact	5	0.75 ... 1.5	Crimp contact

For more details refer to package insert [RLS1201/1202](#) --> R911305800

<http://www.boschrexroth.com/variou utilities/mediadirectory/index.jsp>

Tab. 30-43: RLS1201, power connector, power

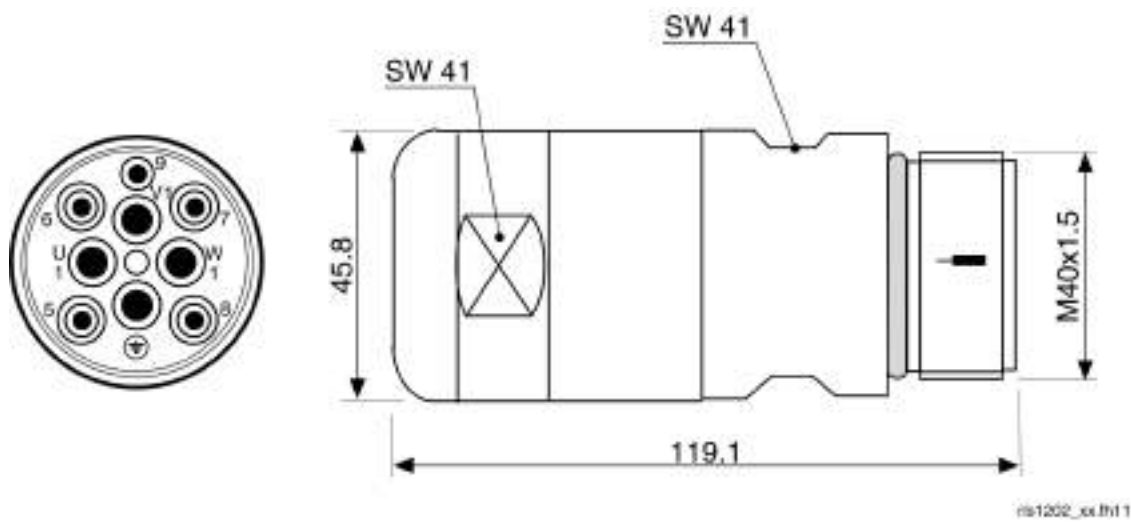


Connector with integrated cable clamp does not need any EMC fittings

Components

30.1.44 RLS1202

M40 power connector 9 pin, power



Ordering designation	Clamping range [mm]	Power contacts			Control contact		
		Amount	Cross section [mm²]	Type (Pin)	Amount	Cross section [mm²]	Type (Pin)
RLS1202/C03	9 ... 12.7	3 + PE	1.0 ... 2.5	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1202/C04	13 ... 17.3	3 + PE	2.5 ... 4.0	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1202/C06	17.5 ... 21.5	3 + PE	6.0 ... 10.0	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1202/C10	21.5 ... 26	3 + PE	6.0 ... 10.0	Crimp contact	5	0.75 ... 1.5	Crimp contact

For more details refer to package insert [RLS1201/1202 --> R911305800](#)
<http://www.boschrexroth.com/variou...utilities/mediadirectory/index.jsp>

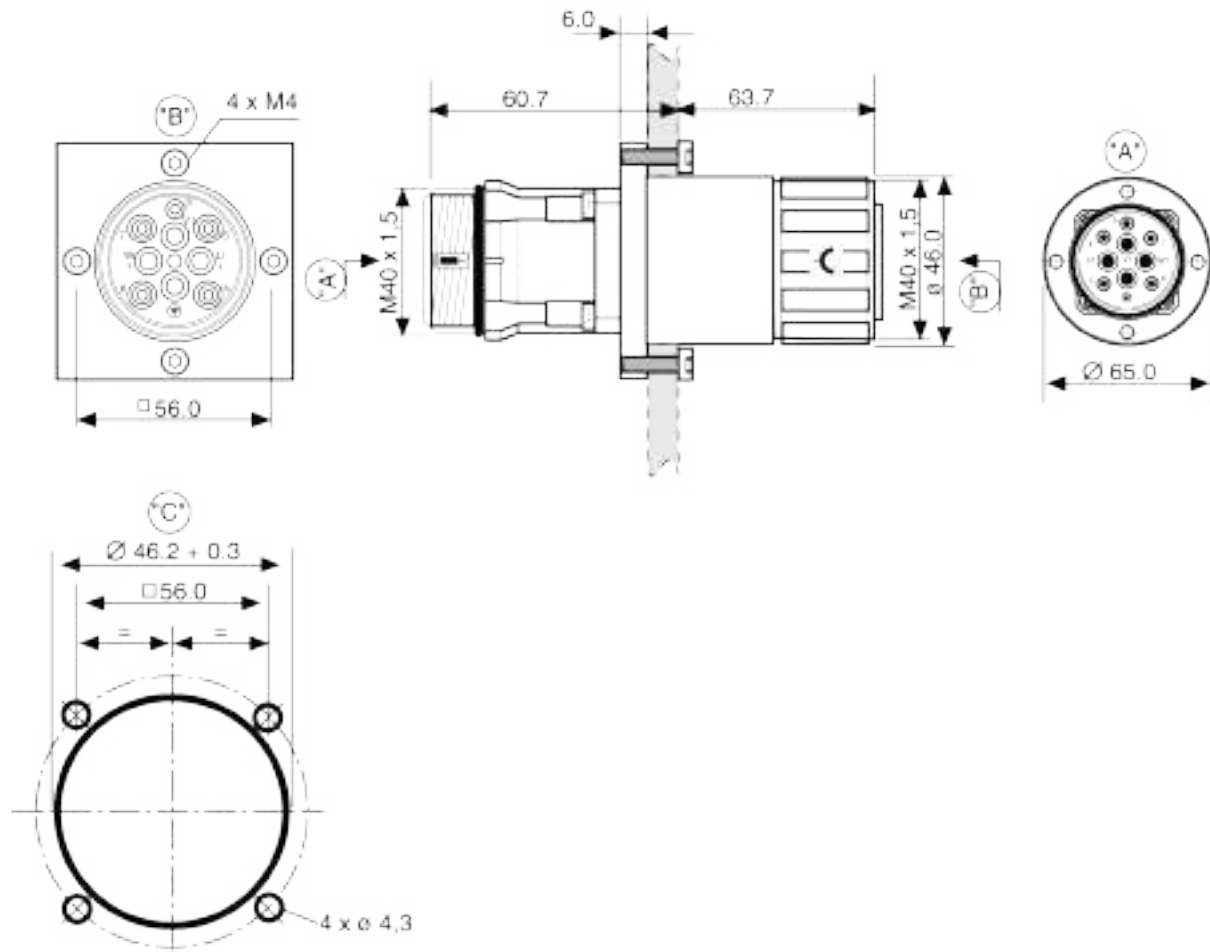
Tab. 30-44: RLS1202, power connector, power



Connector with integrated cable clamp does not need any EMC fittings

30.1.45 RLS1205

M40 bulk head connector 9 pin, power



rls1205_xxx fh11

"A" = view on pin side

"B" = view on socket side

"C" = hole pattern

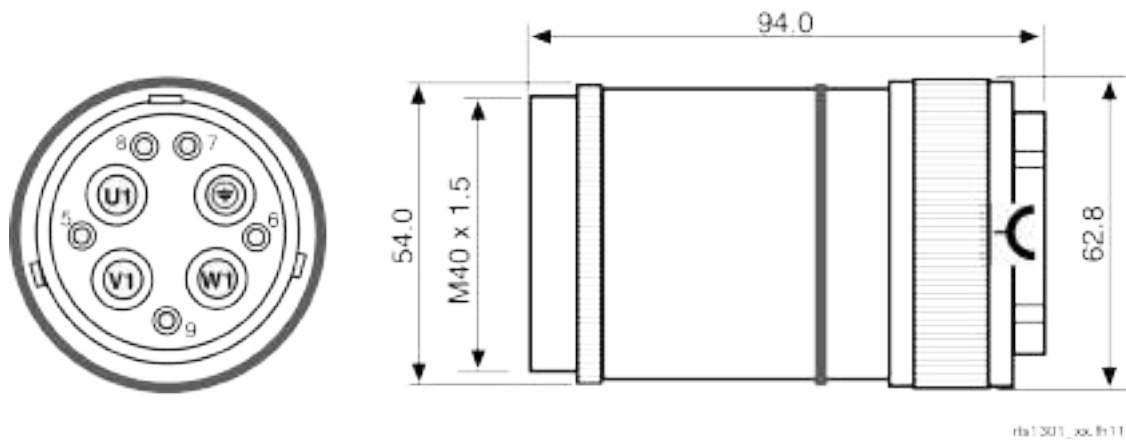
Ordering designation	Clamping range [mm]	Power contacts			Control contact		
		Amount (mounted)	Cross section [mm²]	Type	Amount (mounted)	Cross section [mm²]	Type
RLS1205/A10	--	3 + PE	6.0 ... 10.0	Contact (pin + socket)	5	0.75 ... 1.5	Contact (pin + socket)

Tab. 30-45: RLS1205, bulk head connector, power

Components

30.1.46 RLS1301

Power connector 9 pin, power



Ordering designation	Power contacts			Control contact		
	Amount	Cross section [mm²]	Type (socket)	Amount	Cross section [mm²]	Type (socket)
RLS1301/C03	3 + PE	1.5 ... 2.5	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1301/C06	3 + PE	4.0 ... 6.0	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1301/C10	3 + PE	10.0	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1301/C16	3 + PE	16.0	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1301/C25	3 + PE	25.0	Crimp contact	5	0.75 ... 1.5	Crimp contact

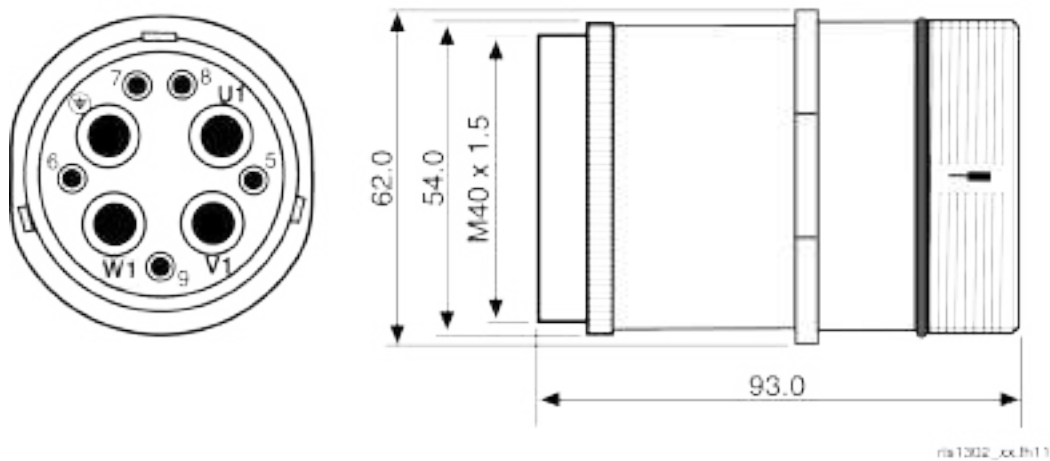
Tab. 30-46: RLS1301, power connector, power



Connector without integrated cable clamp needs a EMC fitting.
See [tab. 30-50 "Fittings / reductions M40 × 1.5 "](#) on [page 615](#)

30.1.47 RLS1302

Power connector 9 pin, power



Ordering designation	Power contacts			Control contact		
	Amount	Cross section [mm²]	Type (Pin)	Amount	Cross section [mm²]	Type (Pin)
RLS1302/C03	3 + PE	1.5 ... 2.5	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1302/C06	3 + PE	4.0 ... 6.0	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1302/C10	3 + PE	10.0	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1302/C16	3 + PE	16.0	Crimp contact	5	0.75 ... 1.5	Crimp contact
RLS1302/C25	3 + PE	25.0	Crimp contact	5	0.75 ... 1.5	Crimp contact

Tab. 30-47: RLS1302, power connector, power

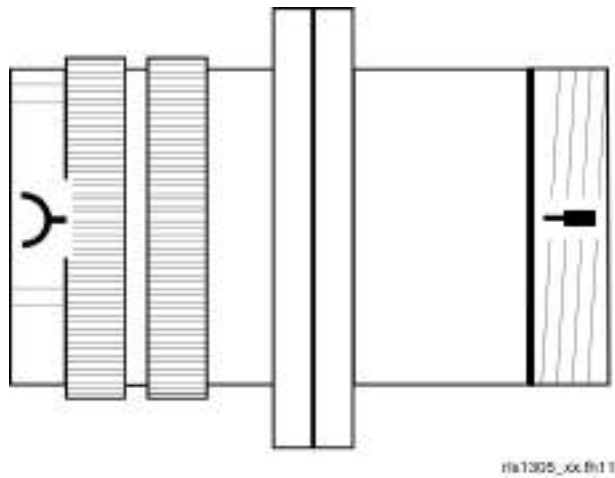


Connector without integrated cable clamp needs a EMC fitting.
See tab. 30-50 "Fittings / reductions M40 × 1.5 " on page 615

Components

30.1.48 RLS1305

Bulk head connector 9 pin, power



Ordering designation	Clamping range [mm]	Power contacts			Control contact		
		Amount (mounted)	Cross section [mm²]	Type	Amount (mounted)	Cross section [mm²]	Type
RLS1305/A25	--	3 + PE	1.5... 25.0	Contact (pin + socket)	5	0.75 ... 1.5	Contact (pin + socket)
For more details, refer to package insert RLS1305 , R911330235 http://www.boschrexroth.com/various/utilities/mediadirectory/index.jsp							

Tab. 30-48: RLS1305, bulk head connector, power

30.1.49 Fittings and Reductions for Rexroth Cables

Fittings and Reductions for Metric Connections

Fittings and reductions for connection M32 × 1.5

Designation	Order no.	Rexroth cable INK... [mm²]					
		0653	0650	0602	0603	0604	0605
		1.0	1.5	2.5	4.0	6.0	10.0
EMC fitting							
M25 × 1.5 (9 ... 16 mm)	R911296531	■	■	■	-	-	-
M32 × 1.5 (13 ... 20 mm)	R911296533	-	-	-	■	■	-
M32 × 1.5 (18 ... 25 mm)	R911296532	-	-	-	-	-	■
Reducing fitting							
M32 / M25	R911311878	■	■	■	-	-	-

- necessary for self-assembly; it must be ordered separately
- not necessary

Tab. 30-49: Fittings / reductions M32 × 1.5

Fittings and reductions for connection M40 × 1.5

Designation	Order no.	Rexroth cable INK... [mm²]								
		0653	0650	0602	0603	0604	0605	0606	0607	0667
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0
EMC fitting										
M25 × 1.5 (9 ... 16 mm)	R911296531	■	■	■	-	-	-	-	-	-
M32 × 1.5 (13 ... 20 mm)	R911296533	-	-	-	■	■	-	-	-	-
M32 × 1.5 (18 ... 25 mm)	R911296532	-	-	-	-	-	■	-	-	-
M40 × 1.5 (22 ... 32 mm)	R911296534	-	-	-	-	-	-	■	■	■
Reducing fitting										
M40 / M25	R911310332	■	■	■	-	-	-	-	-	-
M40 / M32	R911310197	-	-	-	■	■	■	-	-	-

- necessary for self-assembly; it must be ordered separately
- not necessary

Tab. 30-50: Fittings / reductions M40 × 1.5

Components

Fittings and reductions for connection M50 × 1.5

Designation	Order no.	Rexroth cable INK... [mm²]									
		0653	0650	0602	0603	0604	0605	0606	0607	0667	0668
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
EMC fitting											
M25 × 1.5 (9 ... 16 mm)	R911296531	■	■	■	-	-	-	-	-	-	-
M32 × 1.5 (13 ... 20 mm)	R911296533	-	-	-	■	■	-	-	-	-	-
M32 × 1.5 (18 ... 25 mm)	R911296532	-	-	-	-	-	■	-	-	-	-
M40 × 1.5 (22 ... 32 mm)	R911296534	-	-	-	-	-	-	■	■	■	-
M50 × 1.5 (32 ... 38 mm)	R911296535	-	-	-	-	-	-	-	-	-	■
Reducing fitting											
M50 / M25	R911311279	■	■	■	-	-	-	-	-	-	-
M50 / M32	R911311876	-	-	-	■	■	■	-	-	-	-
M50 / M40	R911311880	-	-	-	-	-	-	■	■	■	-

■ necessary for self-assembly; it must be ordered separately
 - not necessary

Tab. 30-51: Fittings / reductions M50 × 1.5

Fittings for Rexroth cables

Designation	Order no.	Rexroth cable INK... [mm²]									
		0653	0650	0602	0603	0604	0605	0606	0607	0667	0668
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
EMC fitting											
M25 × 1.5 (9 ... 16 mm)	R911296531	■	■	■	-	-	-	-	-	-	-
M32 × 1.5 (13 ... 20 mm)	R911296533	-	-	-	■	■	-	-	-	-	-
M32 × 1.5 (18 ... 25 mm)	R911296532	-	-	-	-	-	■	-	-	-	-
M40 × 1.5 (22 ... 32 mm)	R911296534	-	-	-	-	-	-	■	■	■	-
M50 × 1.5 (32 ... 38 mm)	R911296535	-	-	-	-	-	-	-	-	-	■

■ necessary for self-assembly; it must be ordered separately
 - not necessary

Tab. 30-52: Accessories Rexroth cable (fittings)

Fittings and Reductions for Metric Connections PG Threads

Fittings and reductions for PG29 connection

Designation	Order no.	Rexroth cable INK... [mm²]					
		0653	0650	0602	0603	0604	0605
		1.0	1.5	2.5	4.0	6.0	10.0
EMC fitting							
PG21 (9 ... 16 mm)	R911275168	■	■	-	-	-	-
PG29 (13 ... 20 mm)	R911275153	-	-	■	■	■	-
PG29 (18 ... 25 mm)	R911275154	-	-	-	-	-	■
Reducing fitting							
PG29 / PG21	R911221024	■	■	-	-	-	-

- necessary for self-assembly; it must be ordered separately
- not necessary

Tab. 30-53: Fittings / reductions PG29

Fittings and reductions for PG36 connection

Designation	Order no.	Rexroth cable INK... [mm²]								
		0653	0650	0602	0603	0604	0605	0606	0607	0667
		1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0
EMC fitting										
PG21 (9 ... 16 mm)	R911275168	■	■	■	-	-	-	-	-	-
PG29 (13 ... 20 mm)	R911275153	-	-	-	■	■	-	-	-	-
PG29 (18 ... 25 mm)	R911275154	-	-	-	-	-	■	-	-	-
PG36 (22 ... 32 mm)	R911275171	-	-	-	-	-	-	■	■	■
Reducing fitting										
PG29 / PG21	R911221024	■	■	■	-	-	-	-	-	-
PG36 / PG29	R911220474	■	■	■	■	■	■	-	-	-

- necessary for self-assembly; it must be ordered separately
- not necessary

Tab. 30-54: Fittings / reductions PG36

31 Service and support

Our worldwide service network provides an optimized and efficient support. Our experts offer you advice and assistance should you have any queries. You can contact us **24/7**.

Service Germany Our technology-oriented Competence Center in Lohr, Germany, is responsible for all your service-related queries for electric drive and controls.

Contact the **Service Helpdesk & Hotline** under:

Phone: **+49 9352 40 5060**
Fax: **+49 9352 18 4941**
E-mail: service.svc@boschrexroth.de
Internet: <http://www.boschrexroth.com>

Additional information on service, repair (e.g. delivery addresses) and training can be found on our internet sites.

Service worldwide Outside Germany, please contact your local service office first. For hotline numbers, refer to the sales office addresses on the internet.

Preparing information To be able to help you more quickly and efficiently, please have the following information ready:

- Detailed description of malfunction and circumstances resulting in the malfunction
- Type plate name of the affected products, in particular type codes and serial numbers
- Your contact data (phone and fax number as well as your email address)

Glossary

A- (signal name)

Track A analog negative (level: max. 1.65 Vpp)

A+ (signal name)

Track A analog positive (level: max. 1.65 Vpp)

A+TTL (signal name)

Track A TTL positive (level: RS485)

A-TTL (signal name)

Track A TTL negative (level: RS485)

B- (signal name)

Track B analog negative (level: max. 1.65 Vpp)

B+ (signal name)

Track B analog positive (level: max. 1.65 Vpp)

B+TTL (signal name)

Track B TTL positive (level: RS485)

B-TTL (signal name)

Track B TTL negative (level: RS485)

EncCLK- (signal name)

Frequency negative (level: RS485)

EncCLK+ (signal name)

Frequency positive (level: RS485)

EncData- (signal name)

Data transmission negative (level: RS485)

EncData+ (signal name)

Data transmission positive (level: RS485)

GND_Encoder (signal name)

Power supply, reference potential (0 V)

GND_shld (signal name)

Connection signal shields (inner shields)

Glossary

HCS02 / HCS03 / HCS04 (converter)

The compact converters HCS02 (300 mm design), HCS03 (400 mm design) and the efficient HCS04 converter (600 mm design) belong to the Rexroth product family IndraDrive C and are used to operate single axes.

HMD01 (modular double axis - inverter)

The inverter HMD01 belong to the Rexroth product family IndraDrive M and are used to operate 2 single axes.

HMS01 / HMS02 (modular single-axis-inverter)

The inverters HMS01 and HMS02 belong to the Rexroth product family IndraDrive M and are used to operate 2 single axes.

IKG ...

Designation of Bosch Rexroth for ready-made power cables

IKS ...

Designation of Bosch Rexroth for ready-made control cables

IndraDyn A

The Rexroth motor generation **IndraDyn A** consists of asynchronous box motors with squirrel-cage rotor and it is available as

- **MAD series** with surface ventilation by solidly connected fan unit.
- **MAF series** with liquid cooling

IndraDyn S

The product family **IndraDyn S** denominates the servo motor series **MSK**, **MKE** and **MSM** of Bosch Rexroth.

MSK means synchronous servo motors which are characterized by dynamic, compact design, high torque support and maximum precision due to optical encoder systems. MSK motors are also available in Ex-design.

The MKE-servo motors of the second generation fulfill the specifications according to ATEX and UL/CSA in one class. In connection with the drive devices of Rexroth, the MKE motors generate drive systems with high functionality for the use in hazardous areas.

The main features of MSM servo motors are dynamic, compact design, protection mode IP54, precision due to optical single and multiturn absolute value encoder, holding brake and connectors for encoder and power connection.

The electrical connections of IndraDyn S motors are standardized over all frame sizes. IndraDyn S motors are provided with

- a power connection incl. connection for temperature sensor and holding brake,
- an encoder connection.

INK ...

Designation of Bosch Rexroth for bulk cables

INS ...

Designation of Bosch Rexroth for connectors

KCU

Designation of Bosch Rexroth for IndraDrive Mi system solution

KMS

Designation of Bosch Rexroth for a distributed drive controller IndraDrive Mi system solution.

KSM

Designation of Bosch Rexroth for a distributed servo drive IndraDrive Mi system solution.

R- (signal name)

Reference track negative (level: 1 Vpp / 5 VTTL)

R+ (signal name)

Reference track positive (level: 1 Vpp / 5 VTTL)

REG....

Designation of Bosch Rexroth for encoder cables (raw cable).

REL....

Designation of Bosch Rexroth for power cables (raw cable).

RGS ...

Designation of Bosch Rexroth for encoder connectors

RKG ...

Designation of Bosch Rexroth for ready-made encoder cables

RKH....

Designation of Bosch Rexroth for ready-made hybrid cables

RKL ...

Designation of Bosch Rexroth for ready-made power cables

RKS ...

Designation of Bosch Rexroth for (ring) terminal ends

Terminal ends ensure a simple electric contacting of the cable cores. Bosch Rexroth mainly use terminal ends with a grommet for assembly, but also terminal ends with a so called fork.

Glossary

RLK ...

Designation of Bosch Rexroth for the connection on a terminal box

RLS ...

Designation of Bosch Rexroth for power connectors

Sense- (signal name)

Feedback of the reference potential (0 ... 1.2 V)

Sense+ (signal name)

Feedback of +5V (sense line) (5 ... 6 V)

Temp- (= T2, signal name)

Analysis of motor temperature (negative potential)

Temp+ (= T1, signal name)

Analysis of motor temperature (positive potential)

VCC_Encoder (signal name)

Power supply (encoder) (level: 5 ... 7.4 V or 12 V)

WEF

Brief description for **wire end ferrules**

Wire end ferrules are used, to protect the stripped ends of wires to connect each single wire without any damage e.g. into clamps. Choose an internal diameter of the sleeves that they slide over the wires without any problems. The wires should not be twisted. Then, the sleeves are pressed with a special jointing clamp.

There are wire end ferrules with protective shrouds, for additional bend protection of the connected wire, but also without protective shrouds.

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