



CONTACTOR RELAY, 2NO+2NC, AC 230 V, 50/60 HZ, SCREW CONNECTION, SIZE S00

Figure similar

product brand name	SIRIUS
Product designation	contactor relay

General technical data:

Insulation voltage	
<ul style="list-style-type: none"> with degree of pollution 3 Rated value 	690 V
Degree of pollution	3
Surge voltage resistance Rated value	6 kV
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> of the contactor typical 	30 000 000
<ul style="list-style-type: none"> of the contactor with added electronics-compatible auxiliary switch block typical 	5 000 000
<ul style="list-style-type: none"> of the contactor with added auxiliary switch block typical 	10 000 000
Protection class IP	
<ul style="list-style-type: none"> on the front 	IP20
Equipment marking	
<ul style="list-style-type: none"> acc. to DIN EN 61346-2 	K
<ul style="list-style-type: none"> acc. to DIN EN 81346-2 	K

Control circuit/ Control:

Type of voltage of the control supply voltage	AC
Control supply voltage with AC	
<ul style="list-style-type: none"> at 50 Hz Rated value 	230 V
<ul style="list-style-type: none"> at 60 Hz Rated value 	230 V
<ul style="list-style-type: none"> Rated value 	50 Hz
Control supply voltage frequency 2 Rated value	60 Hz

Operating range factor control supply voltage rated value of the magnet coil with AC	
<ul style="list-style-type: none"> • at 50 Hz 	0.8 ... 1.1
<ul style="list-style-type: none"> • at 60 Hz 	0.85 ... 1.1

Auxiliary circuit:

Number of NC contacts	
<ul style="list-style-type: none"> • for auxiliary contacts 	2
<ul style="list-style-type: none"> — instantaneous contact 	2
<ul style="list-style-type: none"> — delayed switching 	0
<ul style="list-style-type: none"> — lagging switching 	0
<ul style="list-style-type: none"> — make-before-break switching 	0
Number of NO contacts	
<ul style="list-style-type: none"> • for auxiliary contacts 	2
<ul style="list-style-type: none"> — instantaneous contact 	2
<ul style="list-style-type: none"> — delayed switching 	0
<ul style="list-style-type: none"> — leading contact 	0
<ul style="list-style-type: none"> — make-before-break switching 	0
Number of CO contacts	
<ul style="list-style-type: none"> • for auxiliary contacts 	0
<ul style="list-style-type: none"> • of the auxiliary contacts instantaneous contact 	0
Product expansion Auxiliary switch	Yes
Identification number and letter for switching elements	22 E
Operating current at AC-15	
<ul style="list-style-type: none"> • at 230 V Rated value 	6 A
<ul style="list-style-type: none"> • at 400 V Rated value 	3 A
<ul style="list-style-type: none"> • at 690 V Rated value 	1 A
Contact reliability of the auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)

Short-circuit:

Design of the fuse link	
<ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch required 	fuse gL/gG: 10 A

Installation/ mounting/ dimensions:

mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
Mounting type	screw and snap-on mounting
Height	57.5 mm
Width	45 mm
Depth	72 mm
Required spacing	
<ul style="list-style-type: none"> • with side-by-side mounting 	

— at the side

0 mm

Connections/ Terminals:

Type of electrical connection	
• for auxiliary and control current circuit	screw-type terminals
Type of connectable conductor cross-section	
• for auxiliary contacts	
— solid	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), 2x 4 mm ²
— finely stranded with core end processing	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²)
• for AWG conductors for auxiliary contacts	2x (20 ... 16), 2x (18 ... 14), 1x 12

Safety related data:

B10 value with high demand rate acc. to SN 31920	1 000 000; With 0.3 x I _e
Proportion of dangerous failures	
• with low demand rate acc. to SN 31920	40 %
• with high demand rate acc. to SN 31920	75 %
T1 value for proof test interval or service life acc. to IEC 61508	20 y
Protection against electrical shock	finger-safe

Mechanical data:

Size of contactor	S00
--------------------------	-----

Ambient conditions:

Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-55 ... +80 °C
• during transport	-55 ... +80 °C

Certificates/ approvals:

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
--------------------------	---------------------------------------	---------------------------



[Type Examination](#)



Test Certificates	Shipping Approval
-------------------	-------------------

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Shipping Approval	other
-------------------	-------



[other](#)

[Environmental Confirmations](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

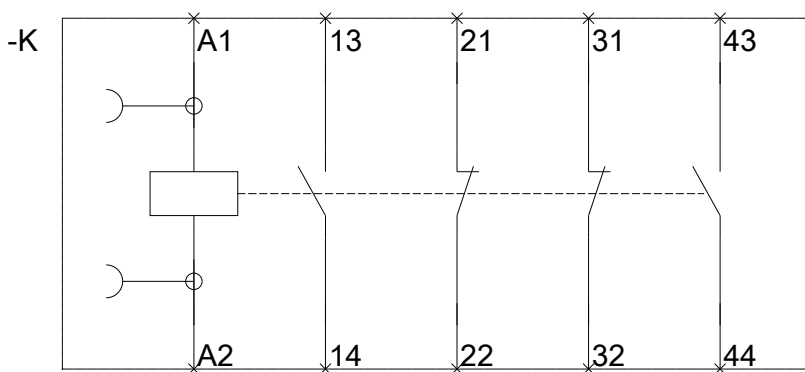
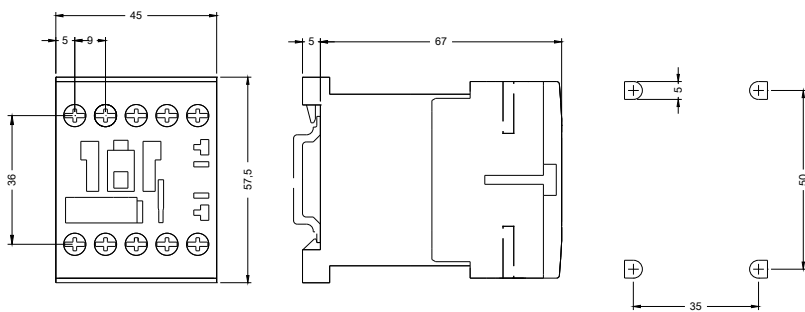
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RH11221AP00>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RH11221AP00>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RH11221AP00&lang=en



last modified:

27.04.2015