

TeSys contactors

TeSys LC1 B contactors

Replacement coils and accessories for single-pole contactors

TeSys B

References

The same coils are used for --- or $\sim$ contactor control supply.

■ For d.c. operation, the following must be associated with the coil:

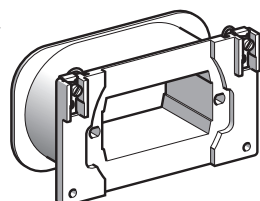
- 1 economy resistor arrangement (resistors + 1 or 2 auxiliary contact(s) or 1 contactor).

■ For 50 to 400 Hz a.c. operation, the following must be associated with the coil:

- 1 individual rectifier (to be wired)
- 1 economy resistor arrangement (resistors + auxiliary contact(s) or 1 contactor) wired into the rectified current side.

Operating range min-max ⁽¹⁾		Coil		Economy resistor			Rectifier (for $\sim$ only)		Coil	Weight
d.c.	a.c.	Resistance at 20 °C ±10 %	I inrush ±10 % at U _n max	Resistor Unit reference	Total resistance	Contact Qty Reference	Reference		Reference	
V	V	Ω	A		Ω					kg
47-51	—	5.1	10.3	DR2SC0270	270	1 ZC4GM2	—		WB1KB155	1.120
52-56	—	5.9	9.5	DR2SC0330	330	1 ZC4GM2	—		WB1KB132	1.120
57-64	—	7.3	8.9	DR2SC0390	390	1 ZC4GM2	—		WB1KB123	1.120
65-68	—	9.5	7.1	DR2SC0560	560	1 ZC4GM2	—		WB1KB133	1.120
69-79	—	11.6	6.9	DR2SC0680	680	1 ZC4GM2	—		WB1KB121	1.120
80-87	—	16.2	5.3	DR2SC0820	820	1 ZC4GM2	—		WB1KB130	1.120
88-94	—	19.9	4.7	DR2SC1000	1000	1 ZC4GM2	—		WB1KB140	1.120
95-108	110-125	25.5	4.3	DR2SC1200	1200	1 ZC4GM2	DR5TE1U		WB1KB134	1.120
109-136	126-155	33.1	4.2	DR2SC1800	1800	1 ZC4GM2	DR5TE1U		WB1KB124	1.120
137-151	156-173	50.9	3	DR2SC2700	2700	2 ZC4GM2	DR5TE1U		WB1KB122	1.120
152-166	174-191	61.36	2.7	DR2SC3300	3300	2 ZC4GM2	DR5TE1U		WB1KB135	1.120
167-189	192-216	78.4	2.4	DR2SC3900	3900	2 ZC4GM2	DR5TE1U		WB1KB136	1.120
190-221	217-256	94.8	2.3	DR2SC4700	4700	2 ZC4GM2	DR5TE1U		WB1KB139	1.120
222-243	257-280	123.9	1.9	DR2SC6800	6800	1 LC1DT20LDS135	DR5TE1U		WB1KB125	1.120
244-267	281-307	159.9	1.7	DR2SC8200	4700 + 3300	1 LC1DT20LDS135	DR5TE1S		WB1KB137	1.120
268-318	308-365	199.6	1.6	DR2SC1001	5600 + 4700	1 LC1DT20UDS135	DR5TE1S		WB1KB126	1.120
319-405	366-463	247.4	1.6	DR2SC1201	6800 + 5600	1 LC1DT20TDS135	DR5TE1S		WB1KB138	1.120
406-446	464-500	382	1.1 ⁽²⁾	DR2SC1001	20 000	1 LC1DT20VDS135	DR5TE1S		WB1KB127	1.120
447-500	—	506.7	1 ⁽³⁾	DR2SC1201	24 000	1 LC1DT20RDS135	—		WB1KB128	1.120

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WB1 KB...

Specifications

■ Average coil consumption (low sealed consumption):

- d.c.: inrush 380...520 W, sealed 0.15...0.20 W
- a.c. (with rectifier): inrush 450...620 VA, sealed 0.15...0.20 VA

■ Time constant when sealed 25 ms

■ Economy resistor consumption: 7...10 W

■ Operating cycles/hour at $\theta \leq 55$ °C: ≤ 120

■ Mechanical durability at U_c: 1.2 million operating cycles

■ With a.c. operation: good resistance to voltage drop on inrush, non susceptibility to micro-breaks, mains harmonics: level ≤ 7 .

⁽¹⁾ For supply voltages of less than 110 V, beware of voltage drops caused by the inrush current.

⁽²⁾ 2 resistors in series: 2 x 10000 Ω.

⁽³⁾ 2 resistors in series: 2 x 12000 Ω.