

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.

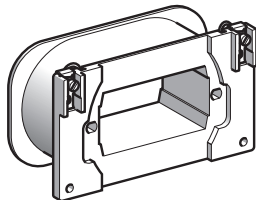
■ For d.c. operation, the following must be associated with the coil:

- 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.

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Operating range min-max ⁽¹⁾		Coil		Economy resistor			Rectifier (for ~ only)		Coil	Weight
d.c.	a.c.	Resis- tance at 20 °C ±10 %	I inrush ±10 % at Un max	Resistor	Total resis- tance	Contact		Reference	Reference	
				Unit reference		Qty	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

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 $\theta \leq 55^\circ\text{C}$: ≤ 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: $2 \times 10000 \Omega$.

⁽³⁾ 2 resistors in series: $2 \times 12000 \Omega$.

TeSys contactors

TeSys LC1 B contactors

Replacement coils and accessories for 2-pole contactors

TeSys B

References

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

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

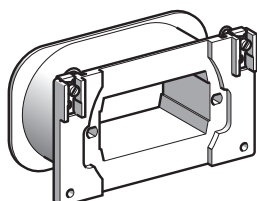
□ 1 economy resistor arrangement (resistors + 1 or 2 auxiliary contact(s) or 1 contactor).

■ 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.

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Operating range min-max ⁽¹⁾		Coil		Economy resistor		Rectifier (for $\sim$ only)		Coil	Weight
d.c.	a.c.	Resis- tance at 20 °C ± 10 %	I inrush ± 10 % at U _n max	Resistors (2 in series) Unit reference	Total resistance	Contact Qty	Reference	Reference	
V	V	Ω	A		Ω				kg
48-51	—	3.22	15.8	DR2SC0068	2 x 68	1	ZC4GM2	—	WB1KB141 1.120
52-56	—	4.04	13.8	DR2SC0082 DR2SC0100	82 + 100	1	ZC4GM2	—	WB1KB142 1.120
57-62	—	4.96	12.5	DR2SC0100 DR2SC0120	100 + 120	1	ZC4GM2	—	WB1KB155 1.120
63-68	—	5.86	11.6	DR2SC0120	2 x 120	1	ZC4GM2	—	WB1KB132 1.120
69-79	—	7.2	11	DR2SC0150	2 x 150	1	ZC4GM2	—	WB1KB123 1.120
80-85	—	9.6	8.8	DR2SC0180 DR2SC0220	180 + 220	1	ZC4GM2	—	WB1KB133 1.120
86-98	99-113	11.4	8.6	DR2SC0220 DR2SC0270	220 + 270	1	ZC4GM2	—	WB1KB121 1.120
99-108	114-125	16.3	6.6	DR2SC0330	2 x 330	1	ZC4GM2	DR5TE1U	WB1KB130 1.120
109-119	126-136	19.7	6	DR2SC0390	2 x 390	1	ZC4GM2	DR5TE1U	WB1KB140 1.120
120-136	137-156	25.2	5.4	DR2SC0470	2 x 470	2	ZC4GM2	DR5TE1U	WB1KB134 1.120
137-173	157-196	32.5	5.3	DR2SC0680	2 x 680	2	ZC4GM2	DR5TE1U	WB1KB124 1.120
174-191	197-216	49.7	3.8	DR2SC1000	2 x 1000	2	ZC4GM2	DR5TE1U	WB1KB122 1.120
192-210	217-238	61	3.4	DR2SC1200	2 x 1200	2	ZC4GM2	DR5TE1U	WB1KB135 1.120
211-238	239-272	77.2	3	DR2SC1500 DR2SC1800	1500 + 1800	2	ZC4GM2	DR5TE1U	WB1KB136 1.120
239-279	273-318	94	3	DR2SC1800 DR2SC2200	1800 + 2200	1	LP1DT20LDS135	DR5TE1S	WB1KB139 1.120
280-310	319-359	128	2.4	DR2SC2700	2 x 2700	1	LP1DT20UDS135	DR5TE1S	WB1KB125 1.120
311-341	360-387	160	2.1	DR2SC3300	2 x 3300	1	LP1DT20TDS135	DR5TE1S	WB1KB137 1.120
342-399	388-452	197	2	DR2SC3900	2 x 3900	1	LP1DT20TDS135	DR5TE1S	WB1KB126 1.120
400-500	453-500	257	1.9	DR2SC4700 DR2SC5600	4700 + 5600	1	LP1DT20VDS135	DR5TE1S	WB1KB138 1.120

Specifications

■ Average coil consumption (low sealed consumption):

□ d.c.: inrush 600...800 W, sealed 0.35...0.5 W

□ a.c. (with rectifier): inrush 720...1000 VA, sealed 0.35...0.5 VA.

■ Time constant when sealed 25 ms.

■ Economy resistor consumption: 15...20 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.

TeSys contactors

TeSys LC1 B contactors

Replacement coils and accessories for 3-pole contactors

TeSys B

References

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

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

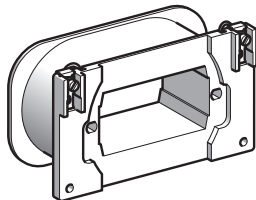
- 1 economy resistor arrangement (resistors + 1 or 2 auxiliary contact(s) or 1 contactor).

■ 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 ~ only)	Coil	Weight
d.c.	a.c.	Resis- tance at 20 °C ±10 %	I inrush ±10 % at U _n max	Resistors (2 in parallel or in series)		Contact		Reference	Reference	
				Unit reference	Total resis- tance	Qty	Reference			
V	V	Ω	A		Ω					kg
47-50	—	1.85	27	DR2SC0150	2x150//	1	ZC4GM2	—	WB1KB154	1.120
51-55	—	2.35	23.5	DR2SC0180	2x180//	1	ZC4GM2	—	WB1KB153	1.120
56-60	—	3.22	18.5	DR2SC0220	2x220//	1	ZC4GM2	—	WB1KB141	1.120
61-66	—	4.04	16	DR2SC0270	2X270//	1	ZC4GM2	—	WB1KB142	1.120
67-72	—	4.96	14.5	DR2SC0330	2x330//	1	ZC4GM2	—	WB1KB155	1.120
73-79	—	5.86	13.5	DR2SC0100	2x100	1	ZC4GM2	—	WB1KB132	1.120
80-92	—	7.2	12.8	DR2SC0120	2x120	1	ZC4GM2	—	WB1KB123	1.120
93-98	108-113	9.6	10.2	DR2SC0150 DR2SC0180	150 + 180	1	ZC4GM2	DR5TE1U	WB1KB133	1.120
99-114	114-132	11.4	10	DR2SC0180 DR2SC0220	180 + 220	1	ZC4GM2	DR5TE1U	WB1KB121	1.120
115-126	133-145	16.3	7.7	DR2SC0270	2x270	2	ZC4GM2	DR5TE1U	WB1KB130	1.120
127-139	146-160	11.7	7	DR2SC0330	2x330	2	ZC4GM2	DR5TE1U	WB1KB140	1.120
140-159	161-181	25.2	6.3	DR2SC0390 DR2SC0470	390 + 470	2	ZC4GM2	DR5TE1U	WB1KB134	1.120
160-201	182-228	32.2	6.2	DR2SC0560	2x560	2	ZC4GM2	DR5TE1U	WB1KB124	1.120
202-222	229-255	49.7	4.5	DR2SC0820	2x820	2	ZC4GM2	DR5TE1U	WB1KB122	1.120
223-246	256-282	61	4	DR2SC1000	2x1000	1	LC1DT20LDS135	DR5TE1S	WB1KB135	1.120
247-277	283-316	77.2	3.6	DR2SC1200	2x1200	1	LC1DT20LDS135	DR5TE1S	WB1KB136	1.120
278-327	317-372	94	3.5	DR2SC1500	2x1500	1	LC1DT20UDS135	DR5TE1S	WB1KB139	1.120
328-360	373-408	128	2.8	DR2SC1500	3x1500	1	LC1DT20TDS135	DR5TE1S	WB1KB125	1.120
361-399	409-452	160	2.5	DR2SC1800	3x1800	1	LC1DT20VDS135	DR5TE1S	WB1KB137	1.120
400-469	453-500	197	2.4	DR2SC2200	3x2200	1	LC1DT20VDS135	DR5TE1S	WB1KB126	1.120
470-500	—	257	1.9	DR2SC2700	3x2700	1	LC1DT20RDS135	—	WB1KB138	1.120

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Specifications

■ Average coil consumption (low sealed consumption):

- d.c.: inrush 900...1100 W, sealed 0.7...1 W
- a.c. (with rectifier): inrush 1100...1300 VA, sealed 0.7...1 VA.

■ Time constant when sealed 25 ms.

■ Economy resistor consumption: 24...30 W.

■ Operating cycles/hour at $\theta \leq 55^\circ\text{C}$: ≤ 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.

TeSys contactors

TeSys LC1 B contactors

Replacement coils and accessories for 4-pole contactors

References

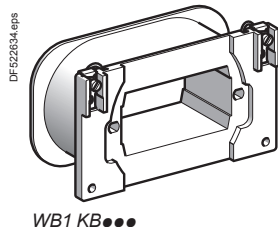
The same coils are used for $\overline{\text{---}}$ or $\sim$ contactor control supply.

■ 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.	Resis- tance at 20 °C ± 10 %	I inrush ± 10 % at U _n max	Resistors (3 in series) Reference unit	Total resis- tance Ω	Contact Qty Reference	Reference	Reference	kg
V	V	Ω	A		Ω				
57-61	—	2.35	26	DR2SC0027	3x27	1 ZC4GM2	—	WB1KB153	1.120
62-67	—	3.22	21	DR2SC0033	3x33	1 ZC4GM2	—	WB1KB141	1.120
68-73	—	4.04	18	DR2SC0039	3x39	1 ZC4GM2	—	WB1KB142	1.120
74-81	—	4.96	16.3	DR2SC0047	3x47	1 ZC4GM2	—	WB1KB155	1.120
82-89	—	5.86	15	DR2SC0056	3x56	1 ZC4GM2	—	WB1KB132	1.120
90-102	105-119	7.2	14	DR2SC0068	3x68	1 ZC4GM2	DR5TE1U	WB1KB123	1.120
103-111	120-128	9.6	11.5	DR2SC0100	3x100	2 ZC4GM2	DR5TE1U	WB1KB133	1.120
112-129	129-148	11.4	11.3	DR2SC0100	3x100	2 ZC4GM2	DR5TE1U	WB1KB121	1.120
130-143	149-163	16.3	8.7	DR2SC0150	3x150	2 ZC4GM2	DR5TE1U	WB1KB130	1.120
144-157	164-179	19.7	8	DR2SC0180	3x180	2 ZC4GM2	DR5TE1U	WB1KB140	1.120
158-180	180-204	25.2	7.1	DR2SC0220	3x220	2 ZC4GM2	DR5TE1U	WB1KB134	1.120
181-226	205-259	32.5	6.9	DR2SC0330	3x330	2 ZC4GM2	DR5TE1U	WB1KB124	1.120
227-251	260-288	49.7	5	DR2SC0470	3x470	1 LC1DT20LDS135	DR5TE1S	WB1KB122	1.120
252-278	289-317	61	4.5	DR2SC0560	3x560	1 LC1DT20UDS135	DR5TE1S	WB1KB135	1.120
279-313	318-356	77.2	4	DR2SC0680	3x680	1 LC1DT20UDS135	DR5TE1S	WB1KB136	1.120
314-368	357-418	94	3.9	DR2SC0820	3x820	1 LC1DT20TDS135	DR5TE1S	WB1KB139	1.120
369-408	419-462	128	3.2	DR2SC1200	3x1200	1 LC1DT20VDS135	DR5TE1S	WB1KB125	1.120
409-448	463-500	160	2.8	DR2SC1500	3x1500	1 LC1DT20VDS135	DR5TE1S	WB1KB137	1.120
449-500	—	197	2.5	DR2SC1800	3x1800	1 LC1DT20RDS135	—	WB1KB126	1.120

Specifications

■ Average coil consumption (low sealed consumption):

- d.c.: inrush 1100...1400 W, sealed 1.2...1.6 W
- a.c. (with rectifier): inrush 1300...1600 VA, sealed 1.2...1.6 VA

■ Time constant when sealed 25 ms

■ Economy resistor consumption: 35...45 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.