



CONTACTOR, AC-3 4KW/400V, AC 230V 50HZ, 3-POLE, SIZE S0, SCREW CONNECTION

Figure similar

product brand name	SIRIUS
Product designation	power contactor

General technical data:

Degree of pollution	3
Mechanical service life (switching cycles)	
• of the contactor typical	10 000 000
• of the contactor with added electronics-compatible auxiliary switch block typical	5 000 000
• of the contactor with added auxiliary switch block typical	10 000 000
Protection class IP	
• on the front	IP20
• of the terminal	IP20
Equipment marking	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q

Main circuit:

Number of poles for main current circuit	3
Number of NC contacts for main contacts	0
Number of NO contacts for main contacts	3
Operating current	
• at AC-1	
— at 400 V at ambient temperature 40 °C	40 A
Rated value	

— up to 690 V at ambient temperature 40 °C Rated value	40 A
— up to 690 V at ambient temperature 60 °C Rated value	35 A
• at AC-3 — at 400 V Rated value	9 A
• at AC-4 at 400 V Rated value	8.5 A
Operating current with 1 current path	
• at DC-1 — at 24 V Rated value	35 A
— at 110 V Rated value	4.5 A
• at DC-3 at DC-5 — at 24 V Rated value	20 A
— at 110 V Rated value	2.5 A
Operating current with 2 current paths in series	
• at DC-1 — at 24 V Rated value	35 A
— at 110 V Rated value	35 A
• at DC-3 at DC-5 — at 110 V Rated value	15 A
— at 24 V Rated value	35 A
Operating current with 3 current paths in series	
• at DC-1 — at 24 V Rated value	35 A
— at 110 V Rated value	35 A
• at DC-3 at DC-5 — at 110 V Rated value	35 A
— at 24 V Rated value	35 A
Active power loss at AC-3 at 400 V for rated value of the operating current per conductor	0.4 W
Control circuit/ Control:	
Type of voltage of the control supply voltage	AC
Control supply voltage with AC	
• at 50 Hz Rated value	230 V
• Rated value	50 Hz
Operating range factor control supply voltage rated value of the magnet coil with AC	
• at 50 Hz	0.8 ... 1.1
Auxiliary circuit:	
Number of NC contacts	
• for auxiliary contacts	

— instantaneous contact	0
Number of NO contacts	
• for auxiliary contacts	
— instantaneous contact	0
Operating current at AC-15	
• at 230 V Rated value	6 A
• at 400 V Rated value	3 A
Contact reliability of the auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)

Short-circuit:

Design of the fuse link	
• for short-circuit protection of the main circuit	
— with type of assignment 1 required	fuse gL/gG: 63 A
— with type of assignment 2 required	fuse gL/gG: 25 A
• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A

Installation/ mounting/ dimensions:

Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
• Side-by-side mounting	Yes
Height	85 mm
Width	45 mm
Depth	91 mm
Required spacing	
• for grounded parts	
— at the side	6 mm

Connections/ Terminals:

Type of electrical connection	
• for main current circuit	screw-type terminals
• for auxiliary and control current circuit	screw-type terminals
Type of connectable conductor cross-section	
• for main contacts	
— solid	2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²), max. 2x 10 mm ²
— single or multi-stranded	2x (1 ... 2,5 mm ²), 2x (2,5 ... 6 mm ²), max. 2x 10 mm ²
— finely stranded with core end processing	2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²)
• for AWG conductors for main contacts	2x (16 ... 12), 2x (14 ... 10), 1x 8
• for auxiliary contacts	
— solid	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), max. 2x (0.75 ... 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

Mechanical data:

Size of contactor	S0
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Ambient conditions:

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

Certificates/ approvals:

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
 CCC  CSA  EAC  UL	Type Examination	 EG-Konf.

Test Certificates	Shipping Approval
Special Test Certificate Type Test Certificates/Test Report	 ABS  DNV  GL  LRS

Shipping Approval	other
 RMRS	other Confirmation Environmental Confirmations

Further information

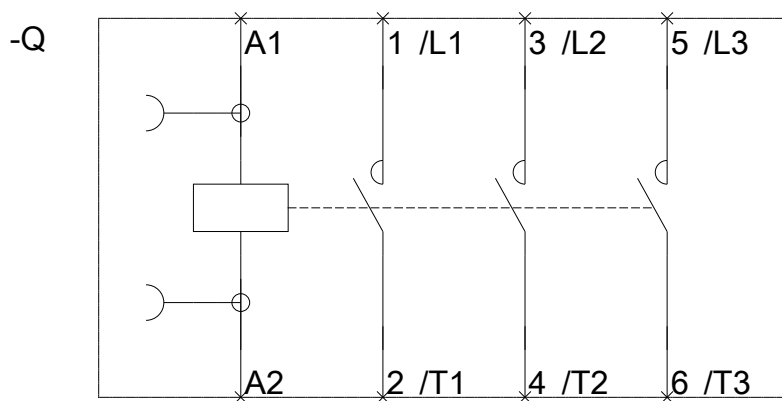
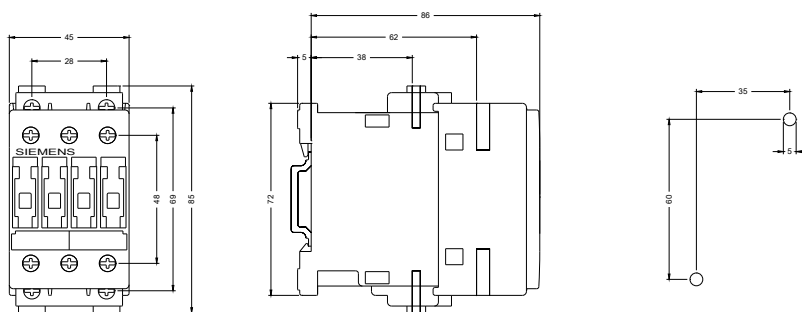
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