

CONTACTOR, AC-3 4 KW/400 V, 1 NO, DC 24 V, 3-POLE, SIZE S00, CAGE CLAMP



Figure similar

product brand name	SIRIUS
Product designation	power contactor
General technical data:	
Size of contactor	S00
Protection class IP	
• on the front	IP20
• of the terminal	IP20
Degree of pollution	3
Mechanical service life (switching cycles)	
• of the contactor typical	30 000 000
• 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
Ambient conditions:	
Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	
• during operation	-25 ... +60 °C

Main circuit:

Number of NO contacts for main contacts	3
Number of NC contacts for main contacts	0
Operating current • at AC-1 at 400 V — at ambient temperature 40 °C Rated value • at AC-1 up to 690 V — at ambient temperature 40 °C Rated value — at ambient temperature 60 °C Rated value • at AC-3 — at 400 V Rated value	22 A 22 A 20 A 9 A
Operating current • at 1 current path at DC-1 — at 24 V Rated value — at 110 V Rated value • with 2 current paths in series at DC-1 — at 24 V Rated value — at 110 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value — at 110 V Rated value	20 A 2.1 A 20 A 12 A 20 A 20 A
Operating current • at 1 current path at DC-3 at DC-5 — at 24 V Rated value — at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value — at 24 V Rated value • with 3 current paths in series at DC-3 at DC-5 — at 110 V Rated value — at 24 V Rated value	20 A 0.15 A 0.35 A 20 A 20 A 20 A
Operating power • at AC-1 — at 400 V Rated value • at AC-2 at 400 V Rated value • at AC-3 — at 400 V Rated value — at 500 V Rated value — at 690 V Rated value	13 kW 4 kW 4 kW 4.5 kW 5.5 kW
Active power loss at AC-3 at 400 V for rated value of the operating current per conductor	0.7 W

Control circuit/ Control:	
Type of voltage of the control supply voltage	DC
Control supply voltage at DC	
• Rated value	24 V
Operating range factor control supply voltage rated value of the magnet coil at DC	0.85 ... 1.1
Closing power of the magnet coil at DC	3.3 W
Holding power of the magnet coil at DC	3.3 W

Auxiliary circuit:	
Number of NC contacts	
• for auxiliary contacts	
— instantaneous contact	0
Number of NO contacts	
• for auxiliary contacts	
— instantaneous contact	1
Operating current at AC-12 maximum	10 A
Operating current at AC-15	
• at 230 V Rated value	6 A
• at 400 V Rated value	3 A
Operating current at DC-12	
• at 60 V Rated value	6 A
• at 110 V Rated value	3 A
• at 220 V Rated value	1 A
Operating current at DC-13	
• at 24 V Rated value	10 A
• at 60 V Rated value	2 A
• at 110 V Rated value	1 A
• at 220 V Rated value	0.3 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: 35 A
— with type of assignment 2 required	fuse gL/gG: 20 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	60 mm

Width	45 mm
Depth	73 mm
Required spacing	
• for grounded parts	
— at the side	6 mm

Certificates/ approvals:

General Product Approval	Functional Safety/Safety of Machinery
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CCC



CSA



UR



UL

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Declaration of Conformity	Test Certificates	Shipping Approval
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ABS



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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

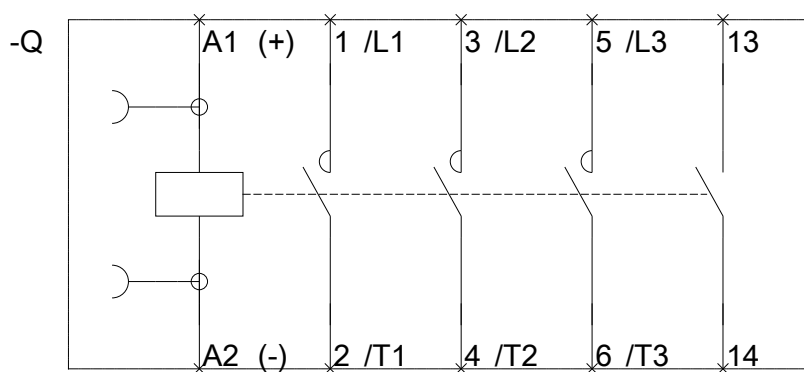
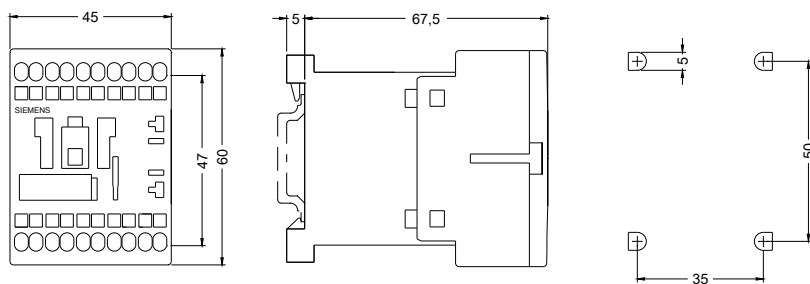
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT10162BB41>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT10162BB41>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT10162BB41&lang=en



last modified:

31.07.2015