



CONTACTOR, AC-3 11 KW/400 V, DC 24 V,
3-POLE, SIZE S0, SCREW CONNECTION

General technical data:

product brand name		SIRIUS
Size of contactor		S0
Protection class IP / on the front		IP20
Degree of pollution		3
Installation altitude / at height above sea level / maximum	m	2,000
Ambient temperature		
• during operation	°C	-25 ... +60
Mechanical service life (switching cycles)		
• of the contactor / typical		10,000,000
• of the contactor with added auxiliary switch block / typical		10,000,000
• of the contactor with added electronics-compatible auxiliary switch block / typical		5,000,000

Main circuit:

Number of NC contacts / for main contacts		0
Number of NO contacts / for main contacts		3
Operating current		
• at AC-1 / up to 690 V		
• at ambient temperature 40 °C / Rated value	A	40
• at ambient temperature 60 °C / Rated value	A	35

• at AC-3 / at 400 V / Rated value	A	25
• at AC-4 / at 400 V / Rated value	A	15.5
Operating current		
• with 1 current path / at DC-1		
• at 24 V / Rated value	A	35
• at 110 V / Rated value	A	4.5
• with 2 current paths in series / at DC-1		
• at 24 V / Rated value	A	35
• at 110 V / Rated value	A	35
• with 3 current paths in series / at DC-1		
• at 24 V / Rated value	A	35
• at 110 V / Rated value	A	35
Operating current		
• with 1 current path / at DC-3 / at DC-5		
• at 24 V / Rated value	A	20
• at 110 V / Rated value	A	2.5
• with 2 current paths in series / at DC-3 / at DC-5		
• at 24 V / Rated value	A	35
• at 110 V / Rated value	A	15
• with 3 current paths in series / at DC-3 / at DC-5		
• at 24 V / Rated value	A	35
• at 110 V / Rated value	A	35
Operating power		
• at AC-1		
• at 400 V / Rated value	kW	23
• at AC-2		
• at 400 V / Rated value	kW	11
• at AC-3		
• at 400 V / Rated value	kW	11
• at 500 V / Rated value	kW	11
• at 690 V / Rated value	kW	11
• at AC-4		
• at 400 V / Rated value	W	7,500
Active power loss / at AC-3 / at 400 V / for rated value of the operating current / per conductor	W	1.6
Control circuit/ Control:		
Type of voltage / of the control supply voltage		DC
Control supply voltage		
• for DC / Rated value	V	24

Operating range factor control supply voltage rated value / of the magnet coil • for DC		0.8 ... 1.1
Closing power / of the magnet coil / for DC	W	5.4
Holding power / of the magnet coil / for DC	W	5.4

Auxiliary circuit:

Contact reliability / of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Number of NC contacts / for auxiliary contacts / instantaneous contact		0
Number of NO contacts / for auxiliary contacts / instantaneous contact		0
Operating current • at AC-12 / maximum • at AC-15 • at 230 V / Rated value • at 400 V / Rated value	A A A	10 6 3
Operating current / at DC-12 • at 60 V / Rated value • at 110 V / Rated value • at 220 V / Rated value	A A A	6 3 1
Operating current / at DC-13 • at 24 V / Rated value • at 60 V / Rated value • at 110 V / Rated value • at 220 V / Rated value	A A A A	10 2 1 0.3

Short-circuit:

Design of the fuse link • for short-circuit protection of the auxiliary switch / required • for short-circuit protection of the main circuit • with type of assignment 1 / required • with type of assignment 2 / required		fuse gL/gG: 10 A fuse gL/gG: 100 A fuse gL/gG: 35 A
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Installation/ mounting/ dimensions:

Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Mounting type / Side-by-side mounting		Yes
Width	mm	45
Height	mm	85
Depth	mm	101
Spacing required / for grounded parts	mm	6

Connections/ terminals:

Design of the electrical connection

- for main current circuit
- for auxiliary and control current circuit

screw-type terminals

screw-type terminals

Type of connectable conductor cross-section

- for main contacts
 - solid
 - finely stranded
 - with core end processing
- for AWG conductors / for main contacts
- for auxiliary contacts
 - solid
 - finely stranded
 - with core end processing
- for AWG conductors / for auxiliary contacts

2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), max. 2x 10 mm²

2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)

2x (20 ... 16), 2x (18 ... 14), 1x 12

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²)

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (20 ... 16), 2x (18 ... 14), 1x 12

Certificates/ approvals:

General Product Approval

Functional Safety / Safety of Machinery

Declaration of Conformity



CCC



CSA



UL

[Type Examination](#)



EG-Konf.

Test Certificates

[other](#)

[Special Test
Certificate](#)

[Type Test
Certificates/Test
Report](#)

Shipping Approval



ABS



DNV



GL



LRS



RINA



RMRS

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Further information:

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

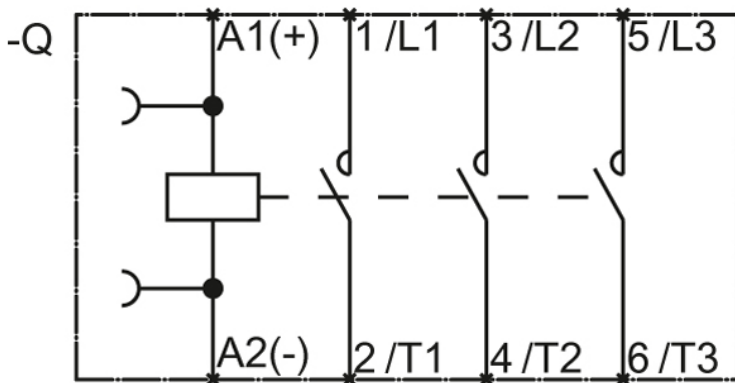
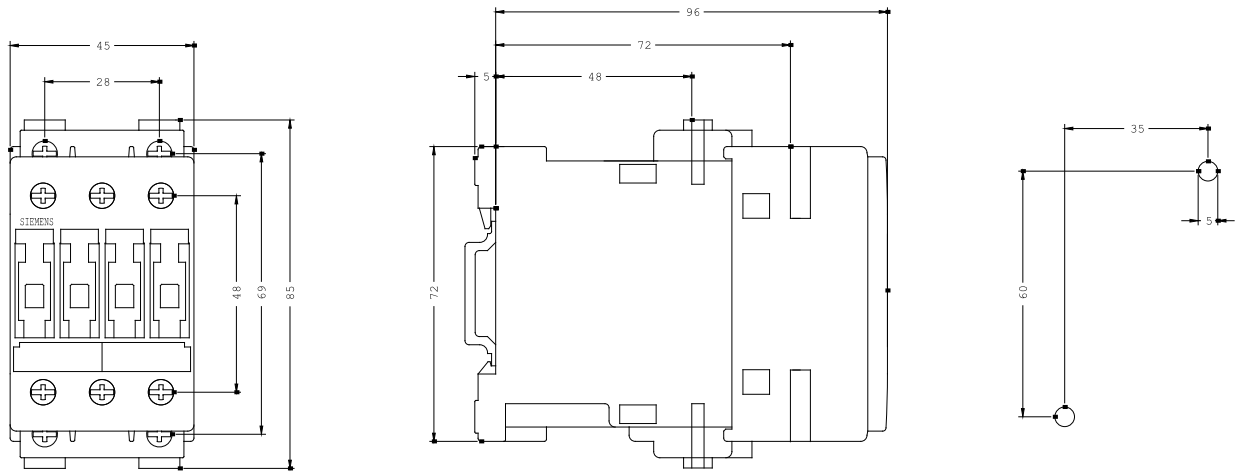
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

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

Cax online generator

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



last change:

Nov 11, 2014