



CONTACTOR, AC-3 4 KW/400 V, AC-1 18 A,  
DC 24 V, 4-POLE, 4 NO, SIZE S00,  
CAGE CLAMP CONNECTION

**General technical data:**

<b>product brand name</b>		SIRIUS
<b>Size of the contactor</b>		S00
<b>Protection class IP / on the front</b>		IP20
<b>Degree of pollution</b>		3
<b>Installation altitude / at a height over sea level / maximum</b>	m	2,000
<b>Ambient temperature / during operating</b>	°C	-25 ... +60
<b>Mechanical operating cycles as operating time</b>		
<ul style="list-style-type: none"> <li>• of the contactor / typical</li> </ul>		30,000,000
<ul style="list-style-type: none"> <li>• of the contactor with added auxiliary switch block / typical</li> </ul>		10,000,000
<ul style="list-style-type: none"> <li>• of the contactor with added electronics-compatible auxiliary switch block / typical</li> </ul>		5,000,000

**Main circuit:**

<b>Number of NC contacts / for main contacts</b>		0
<b>Number of NO contacts / for main contacts</b>		4
<b>Operating current</b>		
<ul style="list-style-type: none"> <li>• at AC-1 / at 400 V <ul style="list-style-type: none"> <li>• at 40 °C ambient temperature / rated value</li> </ul> </li> </ul>	A	18
<ul style="list-style-type: none"> <li>• at AC-3 / at 400 V / rated value</li> </ul>	A	9
<ul style="list-style-type: none"> <li>• with 1 current path / at DC-1</li> </ul>		

• at 24 V / rated value	A	18
• at 110 V / rated value	A	2.1
• with 2 current paths in series / at DC-1		
• at 24 V / rated value	A	18
• at 110 V / rated value	A	12
• with 3 current paths in series / at DC-1		
• at 24 V / rated value	A	18
• at 110 V / rated value	A	18
• with 1 current path / at DC-3 / at DC-5		
• at 24 V / rated value	A	18
• at 110 V / rated value	A	0.15
• with 2 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	A	18
• at 110 V / rated value	A	0.35
• with 3 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	A	18
• at 110 V / rated value	A	18
<b>Service power</b>		
• at AC-2 / at 400 V / rated value	kW	4
• at AC-3 / at 400 V / rated value	kW	4

#### Control circuit:

<b>Voltage type / of control feed voltage</b>		DC
<b>Operating range factor control supply voltage rated value / of the magnet coil</b>		
• for DC		0.85 ... 1.1
<b>Pull-in power / of the solenoid / for DC</b>	W	3.3
<b>Holding power / of the solenoid / for DC</b>	W	3.3

#### Auxiliary circuit:

<b>Contact reliability / of the auxiliary contacts</b>		1 faulty switching per 100 million (17 V, 1 mA)
<b>Number of NC contacts / for auxiliary contacts / instantaneous switching</b>		0
<b>Number of NO contacts / for auxiliary contacts / instantaneous switching</b>		0

#### Short-circuit:

<b>Design of the fuse link</b>		
• for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 10 A
• for short-circuit protection of the main circuit		
• with type of assignment 1 / required		fuse gL/gG: 35 A
• at type of coordination 2 / required		fuse gL/gG: 20 A

**Installation/mounting/dimensions:**

<b>Mounting type</b>		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
<b>series installation</b>		Yes
<b>Width</b>	mm	45
<b>Height</b>	mm	60
<b>Depth</b>	mm	72
<b>Distance, to be maintained, to earthed part / sideways</b>	mm	6

**Connection type:**

<b>Design of the electrical connection</b>		
<ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control current circuit</li> </ul>		Cage Clamp terminals Cage Clamp terminals
<b>Type of the connectable conductor cross-section</b>		
<ul style="list-style-type: none"> <li>• for main contacts <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded <ul style="list-style-type: none"> <li>• with conductor end processing</li> <li>• without conductor final cutting</li> </ul> </li> </ul> </li> <li>• for AWG conductors / for main contacts</li> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded <ul style="list-style-type: none"> <li>• with conductor end processing</li> <li>• without conductor final cutting</li> </ul> </li> </ul> </li> <li>• for AWG conductors / for auxiliary contacts</li> </ul>		2x (0.25 ... 2.5 mm <sup>2</sup> )  2x (0.25 ... 1.5 mm <sup>2</sup> ) 2x (0.25 ... 2.5 mm <sup>2</sup> ) 2x (24 ... 14)  2x (0.25 ... 2.5 mm <sup>2</sup> )  2x (0.25 ... 1.5 mm <sup>2</sup> ) 2x (0.25 ... 2.5 mm <sup>2</sup> ) 2x (24 ... 14)

**Certificates/approvals:**

General Product Approval

Functional Safety /  
Safety of  
Machinery



CCC



CSA



UL



UR

[Type Examination](#)

Declaration of  
Conformity

Test Certificates



EG-Konf.

[Special Test  
Certificate](#)

Shipping Approval



ABS



GL



LRS



RINA



RMRS

other

[Confirmation](#)

[other](#)

[Environmental  
Confirmations](#)

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

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

Industry Mall (Online ordering system)

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

Cax online generator:

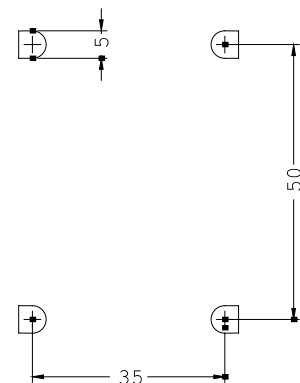
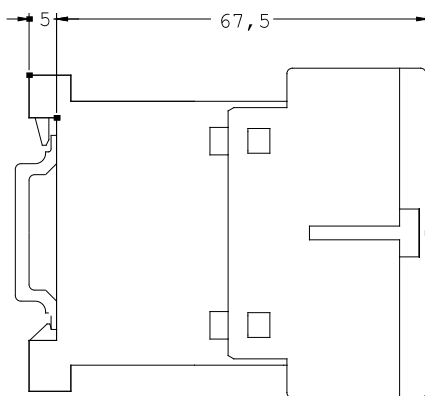
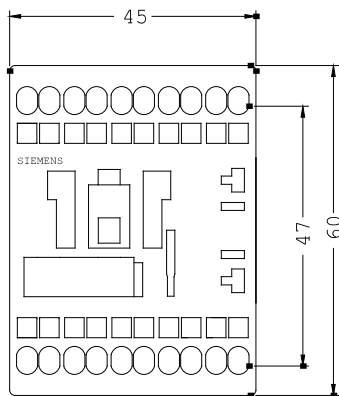
<http://www.siemens.com/cax>

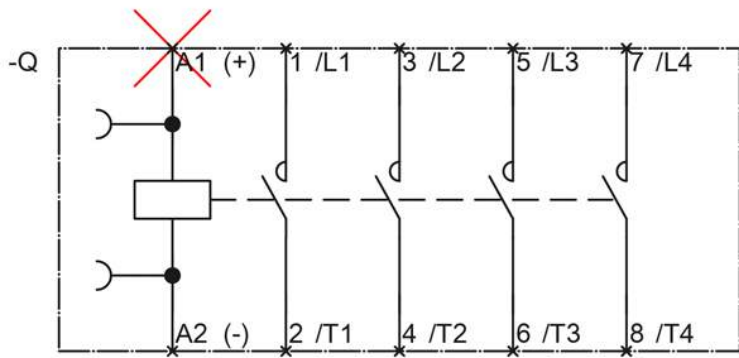
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RT1316-2BB40/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RT1316-2BB40](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1316-2BB40)





last change:

Aug 4, 2014