



CONTACTOR, AC-3 3 KW/400 V, 1 NC,  
DC 24 V, 3-POLE, SIZE S00,  
SCREW CONNECTION

### General technical data:

product brand name		SIRIUS
Size of the contactor		S00
Protection class IP / on the front		IP20
Degree of pollution		3
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature / during operating	°C	-25 ... +60
Mechanical operating cycles as operating time		
• of the contactor / typical		30,000,000
• 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-3 / at 400 V / rated value	A	7
• at AC-4 / at 400 V / rated value	A	6.5
• with 1 current path / at DC-1		
• at 24 V / rated value	A	15

<ul style="list-style-type: none"> <li>• at 110 V / rated value</li> </ul>	A	1.5
<ul style="list-style-type: none"> <li>• with 2 current paths in series / at DC-1</li> </ul>		
<ul style="list-style-type: none"> <li>• at 24 V / rated value</li> </ul>	A	15
<ul style="list-style-type: none"> <li>• at 110 V / rated value</li> </ul>	A	8.4
<ul style="list-style-type: none"> <li>• with 3 current paths in series / at DC-1</li> </ul>		
<ul style="list-style-type: none"> <li>• at 24 V / rated value</li> </ul>	A	15
<ul style="list-style-type: none"> <li>• at 110 V / rated value</li> </ul>	A	15
<ul style="list-style-type: none"> <li>• with 1 current path / at DC-3 / at DC-5</li> </ul>		
<ul style="list-style-type: none"> <li>• at 24 V / rated value</li> </ul>	A	15
<ul style="list-style-type: none"> <li>• at 110 V / rated value</li> </ul>	A	0.1
<ul style="list-style-type: none"> <li>• with 2 current paths in series / at DC-3 / at DC-5</li> </ul>		
<ul style="list-style-type: none"> <li>• at 24 V / rated value</li> </ul>	A	15
<ul style="list-style-type: none"> <li>• at 110 V / rated value</li> </ul>	A	0.25
<ul style="list-style-type: none"> <li>• with 3 current paths in series / at DC-3 / at DC-5</li> </ul>		
<ul style="list-style-type: none"> <li>• at 24 V / rated value</li> </ul>	A	15
<ul style="list-style-type: none"> <li>• at 110 V / rated value</li> </ul>	A	15
<b>Service power</b>		
<ul style="list-style-type: none"> <li>• at AC-2 / at 400 V / rated value</li> </ul>	kW	3
<ul style="list-style-type: none"> <li>• at AC-3 / at 400 V / rated value</li> </ul>	kW	3
<ul style="list-style-type: none"> <li>• at AC-4 / at 400 V / rated value</li> </ul>	W	3,000

Control circuit:		
Type of voltage / of the controlled supply voltage		DC
Operating range factor control supply voltage rated value / of the magnet coil		
<ul style="list-style-type: none"> <li>• for DC</li> </ul>		0.85 ... 1.1
Pull-in power / of the solenoid / for DC	W	3.3
Holding power / of the solenoid / for DC	W	3.3

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 switching		1
Number of NO contacts / for auxiliary contacts / instantaneous switching		0

Short-circuit:		
Design of the fuse link		
<ul style="list-style-type: none"> <li>• for short-circuit protection of the auxiliary switch / required</li> </ul>		fuse gL/gG: 10 A
<ul style="list-style-type: none"> <li>• for short-circuit protection of the main circuit</li> </ul>		
<ul style="list-style-type: none"> <li>• with type of assignment 1 / required</li> </ul>		fuse gL/gG: 35 A
<ul style="list-style-type: none"> <li>• at type of coordination 2 / required</li> </ul>		fuse gL/gG: 20 A

**Installation/mounting/dimensions:**

<b>Type of mounting</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	57.5
<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>		screw-type terminals screw-type 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></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></ul></li></ul></li><li>• for AWG conductors / for auxiliary contacts</li></ul>		2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ), max. 2x (0.75 ... 4 mm <sup>2</sup> )  2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ) 2x (20 ... 16), 2x (18 ... 14), 1x 12  2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ), max. 2x (0.75 ... 4 mm <sup>2</sup> )  2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ) 2x (20 ... 16), 2x (18 ... 14), 1x 12

**Certificates/approvals:**

## General Product Approval



Functional Safety /  
Safety of  
Machinery

Declaration of  
Conformity

Test Certificates

[Type Examination](#)



EG-Konf.

[other](#)

[Special Test  
Certificate](#)

## Shipping Approval



GL



PRS

Shipping Approval

other



RMRS

[Confirmation](#)

[other](#)

[Environmental  
Confirmations](#)

## Further information:

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:

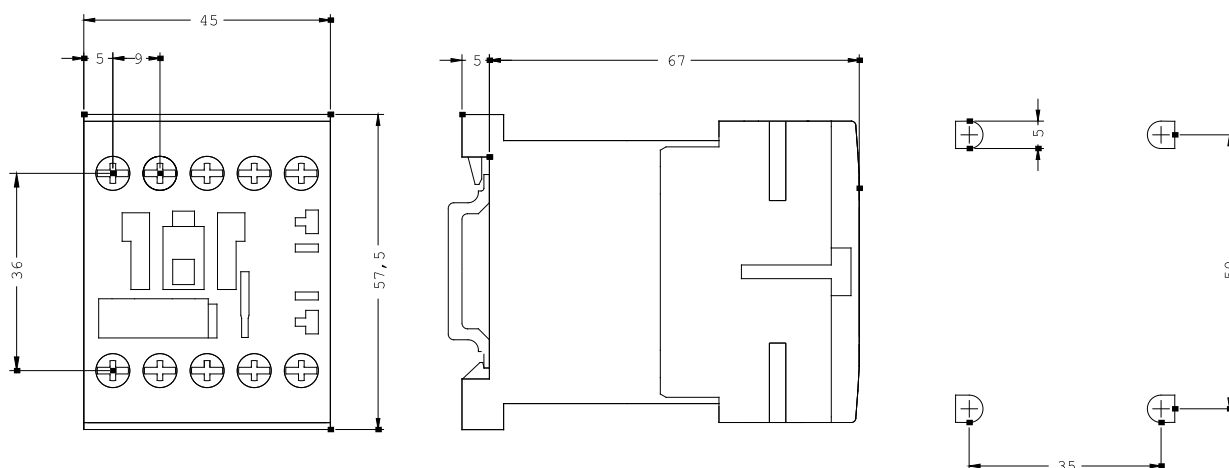
<http://www.siemens.com/cax>

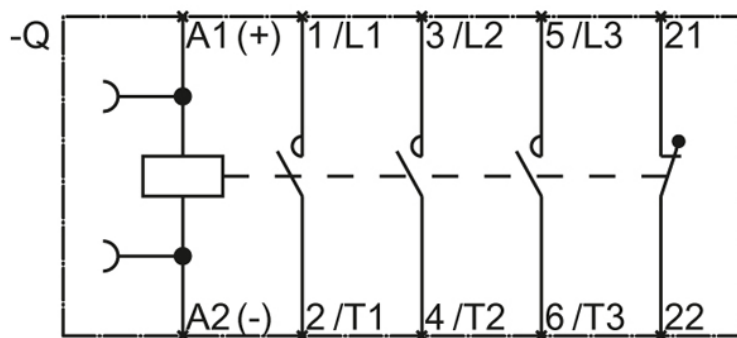
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RT1015-1BB42/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RT1015-1BB42](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1015-1BB42)





last change:

Feb 24, 2014