



CONTACTOR, AC-3 7.5 KW/400 V, AC 230 V,  
50 HZ, 3-POLE, SIZE S0, SCREW CONNECTION

### General technical data:

<b>product brand name</b>		SIRIUS
<b>Size of the contactor</b>		S0
<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> <li>• of the contactor with added auxiliary switch block / typical</li> <li>• of the contactor with added electronics-compatible auxiliary switch block / typical</li> </ul>		<p>10,000,000</p> <p>10,000,000</p> <p>5,000,000</p>

### Main circuit:

<b>Number of NC contacts / for main contacts</b>		0
<b>Number of NO contacts / for main contacts</b>		3
<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> <li>• at 60 °C ambient temperature / rated value</li> </ul> </li> <li>• at AC-3 / at 400 V / rated value</li> </ul>	<p>A</p> <p>A</p> <p>A</p>	<p>40</p> <p>35</p> <p>17</p>

• at AC-4 / at 400 V / rated value	A	15.5
• 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
• 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
<b>Service power</b>		
• at AC-2 / at 400 V / rated value	kW	7.5
• at AC-3 / at 400 V / rated value	kW	7.5
• at AC-4 / at 400 V / rated value	W	7,500
<b>Active power loss / per conductor / typical</b>	W	0.9

<b>Control circuit:</b>		
<b>Type of voltage / of the controlled supply voltage</b>		AC
<b>Control supply voltage / 1</b>		
• at 50 Hz / for AC		
• rated value	V	230
<b>Operating range factor control supply voltage rated value / of the magnet coil</b>		
• at 50 Hz		
• for AC		0.8 ... 1.1
<b>Apparent pull-in power / of the solenoid / for AC</b>	V·A	61
<b>Apparent holding power / of the solenoid / for AC</b>	V·A	7.8
<b>Inductive power factor / with the pull-in power of the coil</b>		0.82
<b>Inductive power factor / with the pull-in power of the coil</b>		0.24

<b>Auxiliary circuit:</b>		
<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
<b>Operating current / of the auxiliary contacts</b>		
• at AC-12 / maximum	A	10
• at AC-15		
• at 230 V	A	6
• at 400 V	A	3
• at DC-12		
• at 60 V	A	6
• at 110 V	A	3
• at 220 V	A	1
• at DC-13		
• at 24 V	A	10
• at 60 V	A	2
• at 110 V	A	1
• at 220 V	A	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
  - at type of coordination 2 / required

fuse gL/gG: 10 A

fuse gL/gG: 63 A

fuse gL/gG: 25 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	85
<b>Depth</b>	mm	91
<b>Distance, to be maintained, to earthed part / sideways</b>	mm	6

#### Connection type:

##### Design of the electrical connection

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

screw-type terminals

screw-type terminals

#### Certificates/approvals:

**General Product Approval**

**Functional Safety /  
Safety of  
Machinery**



CCC



CSA



GOST



KETI

[Type Examination](#)

**Declaration of  
Conformity**

**Test Certificates**



EG-Konf.

[Special Test  
Certificate](#)

[Type Test  
Certificates/Test  
Report](#)

**Shipping Approval**



ABS



BUREAU  
VERITAS



DNV



GL



LRS



RINA

**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:**

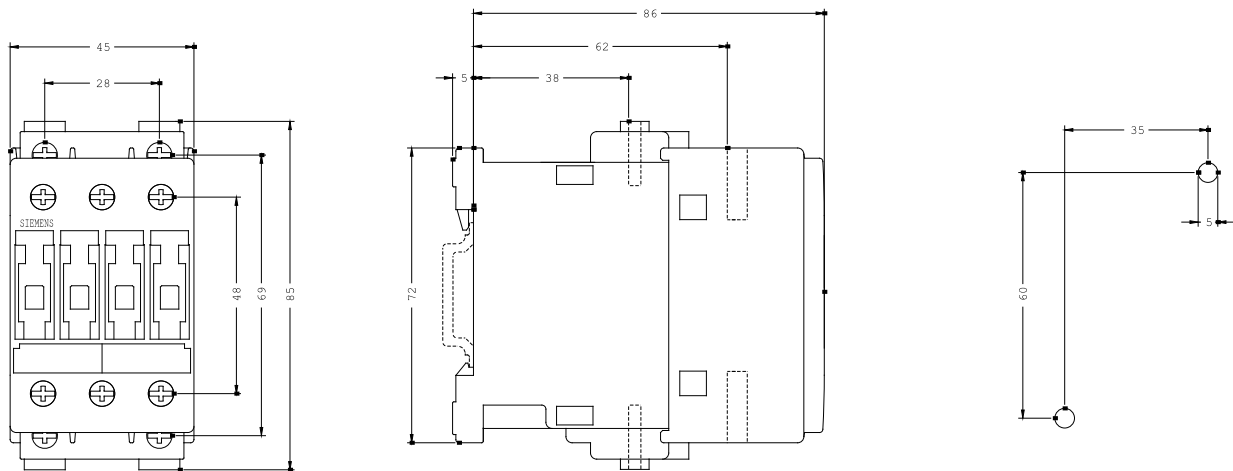
<http://www.siemens.com/cax>

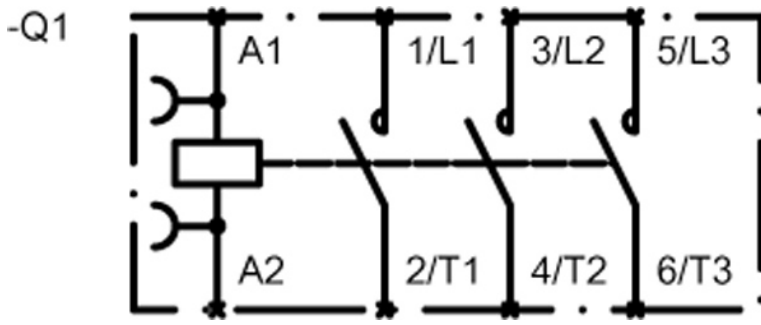
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<http://support.automation.siemens.com/WW/view/en/3RT1025-1AP00/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RT1025-1AP00](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1025-1AP00)





last change:

Jun 5, 2012