



CONTACTOR, AC-3 5.5 KW/400 V, 1 NC,  
AC 42 50/60HZ, 3-POLE, 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>		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> </ul> </li> </ul>	A	22
<ul style="list-style-type: none"> <li>• at AC-3 / at 400 V / rated value</li> </ul>	A	12
<ul style="list-style-type: none"> <li>• at AC-4 / at 400 V / rated value</li> </ul>	A	8.5

• with 1 current path / at DC-1	A	20
• at 24 V / rated value	A	2.1
• at 110 V / rated value		
• with 2 current paths in series / at DC-1	A	20
• at 24 V / rated value	A	12
• at 110 V / rated value		
• with 3 current paths in series / at DC-1	A	20
• at 24 V / rated value	A	20
• at 110 V / rated value		
• with 1 current path / at DC-3 / at DC-5	A	20
• at 24 V / rated value	A	0.15
• at 110 V / rated value		
• with 2 current paths in series / at DC-3 / at DC-5	A	20
• at 24 V / rated value	A	0.35
• at 110 V / rated value		
• with 3 current paths in series / at DC-3 / at DC-5	A	20
• at 24 V / rated value	A	20
• at 110 V / rated value		
<b>Service power</b>		
• at AC-2 / at 400 V / rated value	kW	5.5
• at AC-3 / at 400 V / rated value	kW	5.5
• at AC-4 / at 400 V / rated value	W	4,000

Control circuit:		
<b>Voltage type / of control feed voltage</b>		AC
<b>Operating range factor control supply voltage rated value / of the magnet coil</b>		
• at 50 Hz		
• for AC		0.8 ... 1.1
• at 60 Hz		
• for AC		0.85 ... 1.1
<b>Apparent pull-in power / of the solenoid / for AC</b>	V·A	27
<b>Apparent holding power / of the solenoid / for AC</b>	V·A	4.4
<b>Inductive power factor / with the pull-in power of the coil</b>		0.8
<b>Inductive power factor / with the pull-in power of the coil</b>		0.27

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>		1
<b>Number of NO contacts / for auxiliary contacts / instantaneous switching</b>		0

## 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: 35 A

fuse gL/gG: 20 A

## Installation/mounting/dimensions:

### Mounting type

screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022

### series installation

Yes

### Width

mm

45

### Height

mm

60

### Depth

mm

73

### Distance, to be maintained, to earthed part / sideways

mm

6

## Connection type:

### Design of the electrical connection

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

Cage Clamp terminals

Cage Clamp terminals

### Type of the connectable conductor cross-section

- for main contacts
  - solid
  - finely stranded
    - with conductor end processing
    - without conductor final cutting
- for AWG conductors / for main contacts
- for auxiliary contacts
  - solid
  - finely stranded
    - with conductor end processing
    - without conductor final cutting
- for AWG conductors / for auxiliary contacts

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

Declaration of Conformity



[Type Examination](#)



Test Certificates

[Special Test Certificate](#)

Shipping Approval



Shipping Approval other



[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:

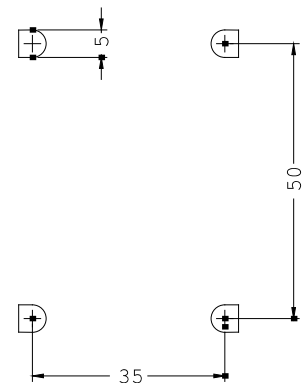
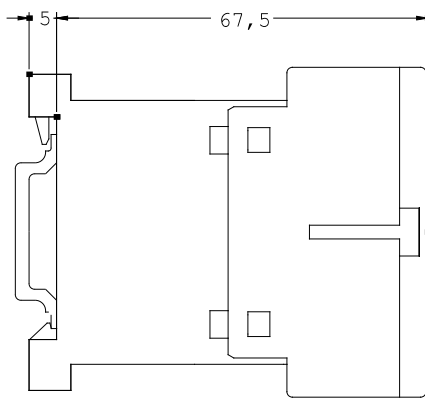
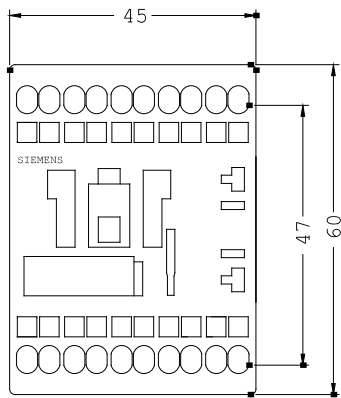
<http://www.siemens.com/cax>

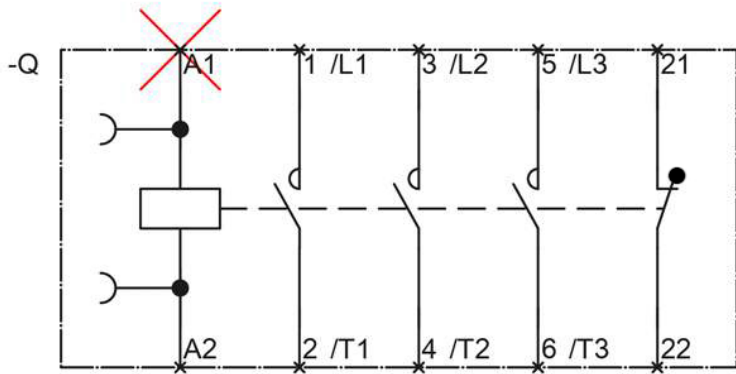
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RT1017-2AD02/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RT1017-2AD02](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1017-2AD02)





last change:

Jul 28, 2014