

CONTACTOR, AC-3 3 KW/400 V, 1 NC,  
AC 24 V, 50/60 HZ, 3-POLE, SIZE S00,  
SCREW 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> <li>• at 60 °C ambient temperature / rated value</li> </ul> </li> <li>• at AC-3 / at 400 V / rated value</li> <li>• at AC-4 / at 400 V / rated value</li> <li>• with 1 current path / at DC-1 <ul style="list-style-type: none"> <li>• at 24 V / rated value</li> <li>• at 110 V / rated value</li> </ul> </li> <li>• with 2 current paths in series / at DC-1 <ul style="list-style-type: none"> <li>• at 24 V / rated value</li> <li>• at 110 V / rated value</li> </ul> </li> <li>• with 3 current paths in series / at DC-1 <ul style="list-style-type: none"> <li>• at 24 V / rated value</li> <li>• at 110 V / rated value</li> </ul> </li> <li>• with 1 current path / at DC-3 / at DC-5 <ul style="list-style-type: none"> <li>• at 24 V / rated value</li> </ul> </li> </ul>	A	18
	A	16
	A	7
	A	6.5
	A	15
	A	1.5
	A	15
	A	8.4
	A	15
	A	15
	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
<b>Active power loss / per conductor / typical</b>	W	0.42

#### Control circuit:

<b>Type of voltage / of the controlled supply voltage</b>		AC
<b>Control supply voltage / 1</b>		
<ul style="list-style-type: none"> <li>• at 50 Hz / for AC</li> <li>• rated value</li> </ul>	V	24
<ul style="list-style-type: none"> <li>• at 60 Hz / for AC</li> <li>• rated value</li> </ul>	V	24
<b>Operating range factor control supply voltage rated value / of the magnet coil</b>		
<ul style="list-style-type: none"> <li>• at 50 Hz</li> <li>• for AC</li> </ul>		0.8 ... 1.1
<ul style="list-style-type: none"> <li>• at 60 Hz</li> <li>• for AC</li> </ul>		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
<b>Operating current / of the auxiliary contacts</b>		
<ul style="list-style-type: none"> <li>• at AC-12 / maximum</li> </ul>	A	10
<ul style="list-style-type: none"> <li>• at AC-15</li> <li>• at 230 V</li> </ul>	A	6

- at 400 V
- at DC-12
  - at 60 V
  - at 110 V
  - at 220 V
- at DC-13
  - at 24 V
  - at 60 V
  - at 110 V
  - at 220 V

A	3
A	6
A	3
A	1
A	10
A	2
A	1
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: 35 A

fuse gL/gG: 20 A

#### Installation/mounting/dimensions:

##### Type of mounting

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

##### series installation

Yes

##### Width

mm 45

##### Height

mm 57.5

##### Depth

mm 72

##### 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

screw-type terminals

screw-type terminals

##### Type of the connectable conductor cross-section

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

2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 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



CCC



CSA



GOST



KETI



UL



UR

Functional Safety /  
Safety of  
Machinery

Declaration of  
Conformity

Test Certificates

[Type Examination](#)



EG-Konf.

[Special Test  
Certificate](#)

## Shipping Approval



ABS



BUREAU  
VERITAS



DNV



GL



LRS



PRS

Shipping Approval

other



RINA



RMRS

[Confirmation](#)

[other](#)



UL

## 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:**

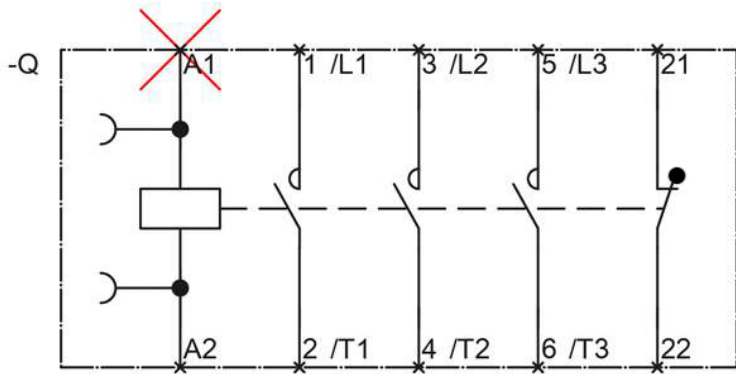
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RT1015-1AB02/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RT1015-1AB02](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1015-1AB02)



last change:

Jul 13, 2012