



CONTACTOR, AC-1 35A, 22KW/400V,  
AC 230 V, 50 HZ, 4-POLE, SIZE S0,  
SCREW CONNECTION

General technical data:		
product brand name		SIRIUS
Size of the contactor		S0
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		10,000,000
• 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		4
Operational current		
• at AC-1 / at 400 V		
• at 40 °C ambient temperature / rated value	A	35
• at 60 °C ambient temperature / rated value	A	30
• at AC-3 / at 400 V / rated value	A	17

• with 1 current path / at DC-1	A	35
• at 24 V / rated value	A	4.5
• at 110 V / rated value		
• with 2 current paths in series / at DC-1	A	35
• at 24 V / rated value	A	35
• at 110 V / rated value		
• with 3 current paths in series / at DC-1	A	35
• at 24 V / rated value	A	35
• at 110 V / rated value		
• with 1 current path / at DC-3 / at DC-5	A	20
• at 24 V / rated value	A	2.5
• at 110 V / rated value		
• with 2 current paths in series / at DC-3 / at DC-5	A	35
• at 24 V / rated value	A	15
• at 110 V / rated value		
• with 3 current paths in series / at DC-3 / at DC-5	A	35
• at 24 V / rated value	A	35
• at 110 V / rated value		
<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

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

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		0
Number of NO contacts / for auxiliary contacts / instantaneous switching		0
Operating current / of the auxiliary contacts		
• at AC-12 / maximum	A	10

- at AC-15
  - at 230 V
  - 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	6
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: 63 A

fuse gL/gG: 25 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 61

##### Height

mm 85

##### Depth

mm 91

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

2x (1 ... 2.5 mm<sup>2</sup>), 2x (2.5 ... 6 mm<sup>2</sup>), max. 2x 10 mm<sup>2</sup>

2x (1 ... 2.5 mm<sup>2</sup>), 2x (2.5 ... 6 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>)

- 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 (20 ... 16), 2x (18 ... 14), 1x 12

#### Certificates/approvals:

##### General Product Approval

##### Functional Safety / Safety of Machinery

##### Declaration of Conformity



[Type Examination](#)



##### Test Certificates

[Special Test  
Certificate](#)

##### 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:

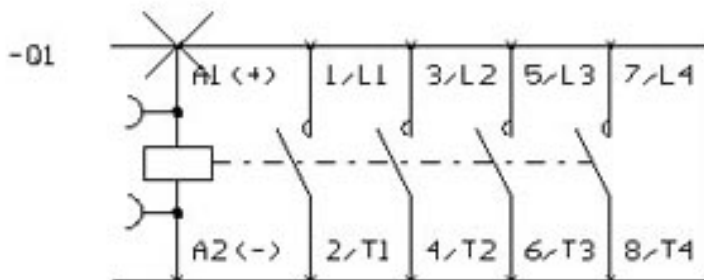
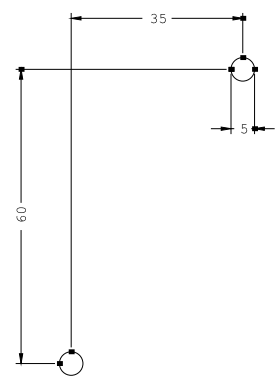
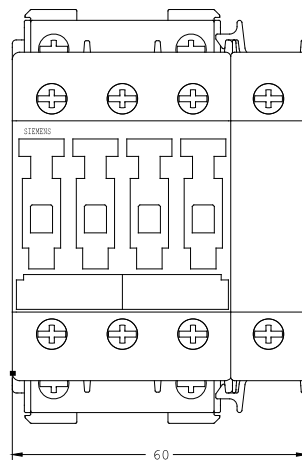
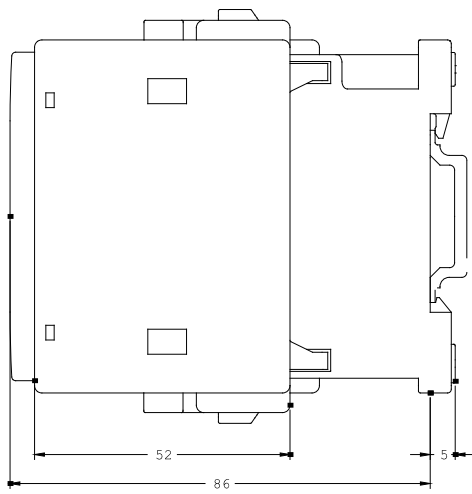
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RT1325-1AP00/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RT1325-1AP00](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1325-1AP00)



last change:

Feb 4, 2013