



CONTACTOR, AC-3 4 KW / 400 V,
AC-1 18 A, AC 24 V, 50 HZ, 4-POLE,
4 NO, SIZE S00, CAGE-CLAMP 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		
<ul style="list-style-type: none"> • of the contactor / typical 		30,000,000
<ul style="list-style-type: none"> • of the contactor with added auxiliary switch block / typical 		10,000,000
<ul style="list-style-type: none"> • 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
Operating current		
<ul style="list-style-type: none"> • at AC-1 / at 400 V <ul style="list-style-type: none"> • at 40 °C ambient temperature / rated value 	A	18
<ul style="list-style-type: none"> • at AC-3 / at 400 V / rated value 	A	9
<ul style="list-style-type: none"> • with 1 current path / at DC-1 		

• at 24 V / rated value	A	18
• at 110 V / rated value	A	2.1
• with 2 current paths in series / at DC-1		
• at 24 V / rated value	A	18
• at 110 V / rated value	A	12
• with 3 current paths in series / at DC-1		
• at 24 V / rated value	A	18
• at 110 V / rated value	A	18
• with 1 current path / at DC-3 / at DC-5		
• at 24 V / rated value	A	18
• at 110 V / rated value	A	0.15
• with 2 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	A	18
• at 110 V / rated value	A	0.35
• with 3 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	A	18
• at 110 V / rated value	A	18
Service power		
• at AC-2 / at 400 V / rated value	kW	4
• at AC-3 / at 400 V / rated value	kW	4

Control circuit:

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

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

Short-circuit:

Design of the fuse link	<ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch / required 	fuse gL/gG: 10 A
	<ul style="list-style-type: none"> • for short-circuit protection of the main circuit 	fuse gL/gG: 35 A
	<ul style="list-style-type: none"> • with type of assignment 1 / required • at type of coordination 2 / required 	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	72
Distance, to be maintained, to earthed part / sideways	mm	6

Connection type:

Design of the electrical connection	<ul style="list-style-type: none"> • for main current circuit 	Cage Clamp terminals
	<ul style="list-style-type: none"> • for auxiliary and control current circuit 	Cage Clamp terminals
Type of the connectable conductor cross-section	<ul style="list-style-type: none"> • for main contacts 	
	<ul style="list-style-type: none"> • solid 	2x (0.25 ... 2.5 mm ²)
	<ul style="list-style-type: none"> • finely stranded 	
	<ul style="list-style-type: none"> • with conductor end processing 	2x (0.25 ... 1.5 mm ²)
	<ul style="list-style-type: none"> • without conductor final cutting 	2x (0.25 ... 2.5 mm ²)
	<ul style="list-style-type: none"> • for AWG conductors / for main contacts 	2x (24 ... 14)
	<ul style="list-style-type: none"> • for auxiliary contacts 	
	<ul style="list-style-type: none"> • solid 	2x (0.25 ... 2.5 mm ²)
	<ul style="list-style-type: none"> • finely stranded 	
	<ul style="list-style-type: none"> • with conductor end processing 	2x (0.25 ... 1.5 mm ²)
	<ul style="list-style-type: none"> • without conductor final cutting 	2x (0.25 ... 2.5 mm ²)
	<ul style="list-style-type: none"> • for AWG conductors / for auxiliary contacts 	2x (24 ... 14)

Certificates/approvals:

General Product Approval

Functional Safety /
Safety of
Machinery



CCC



CSA



UL



UR

[Type Examination](#)

Declaration of
Conformity

Test Certificates



EG-Konf.

[Special Test
Certificate](#)

Shipping Approval



ABS



GL



LRS



RINA



RMRS

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:

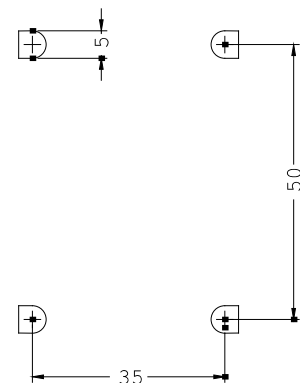
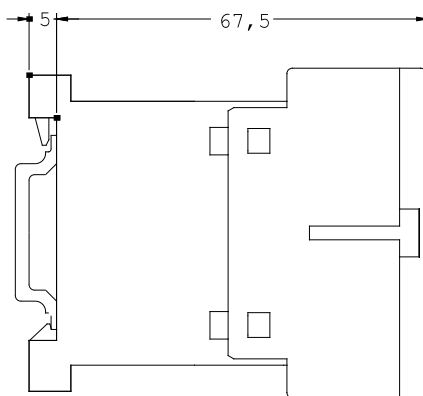
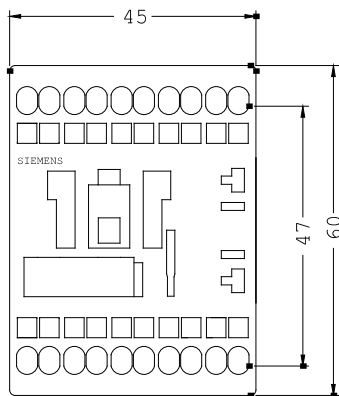
<http://www.siemens.com/cax>

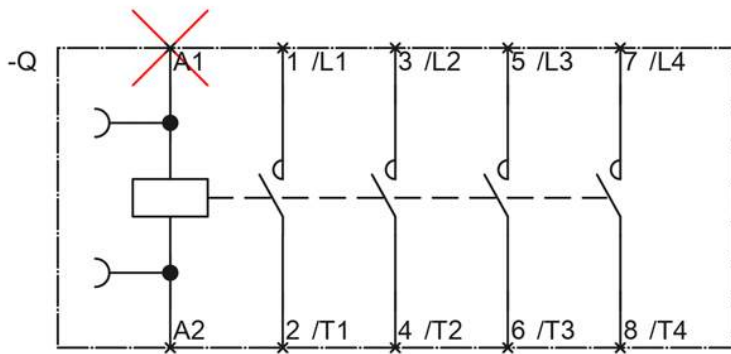
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RT1316-2AB00/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1316-2AB00





last change:

Jul 28, 2014