



CONTACTOR, AC-3 5.5KW/400 V, AC-1 22 A,
 DC 24 V, 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		
• of the contactor / typical	30,000,000	
• 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	
Operating current		
• at AC-1 / at 400 V		
• at 40 °C ambient temperature / rated value	A	22
• at 60 °C ambient temperature / rated value	A	20
• at AC-3 / at 400 V / rated value	A	12

<ul style="list-style-type: none"> with 1 current path / at DC-1 <ul style="list-style-type: none"> at 24 V / rated value at 110 V / rated value with 2 current paths in series / at DC-1 <ul style="list-style-type: none"> at 24 V / rated value at 110 V / rated value with 3 current paths in series / at DC-1 <ul style="list-style-type: none"> at 24 V / rated value at 110 V / rated value with 1 current path / at DC-3 / at DC-5 <ul style="list-style-type: none"> at 24 V / rated value at 110 V / rated value with 2 current paths in series / at DC-3 / at DC-5 <ul style="list-style-type: none"> at 24 V / rated value at 110 V / rated value with 3 current paths in series / at DC-3 / at DC-5 <ul style="list-style-type: none"> at 24 V / rated value at 110 V / rated value 	A 22 A 2.1 A 22 A 12 A 22 A 22 A 20 A 0.15 A 20 A 0.35 A 20 A 20
Service power	
<ul style="list-style-type: none"> at AC-2 / at 400 V / rated value at AC-3 / at 400 V / rated value 	kW 5.5 kW 5.5

Control circuit:

Type of voltage / of the controlled supply voltage	DC
Operating range factor control supply voltage rated value / of the magnet coil	
<ul style="list-style-type: none"> for DC 	0.85 ... 1.1
Pull-in power / of the solenoid / for DC	W 3.3
Holding power / of the solenoid / for DC	W 3.3

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 for short-circuit protection of the main circuit <ul style="list-style-type: none"> with type of assignment 1 / required 	fuse gL/gG: 10 A fuse gL/gG: 35 A

- at type of coordination 2 / required

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	60
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

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 mm²)

2x (0.25 ... 1.5 mm²)

2x (0.25 ... 2.5 mm²)

2x (24 ... 14)

2x (0.25 ... 2.5 mm²)

2x (0.25 ... 1.5 mm²)

2x (0.25 ... 2.5 mm²)

2x (24 ... 14)

Certificates/approvals:

General Product Approval

Functional Safety / Safety of Machinery



CCC



CSA



GOST



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:

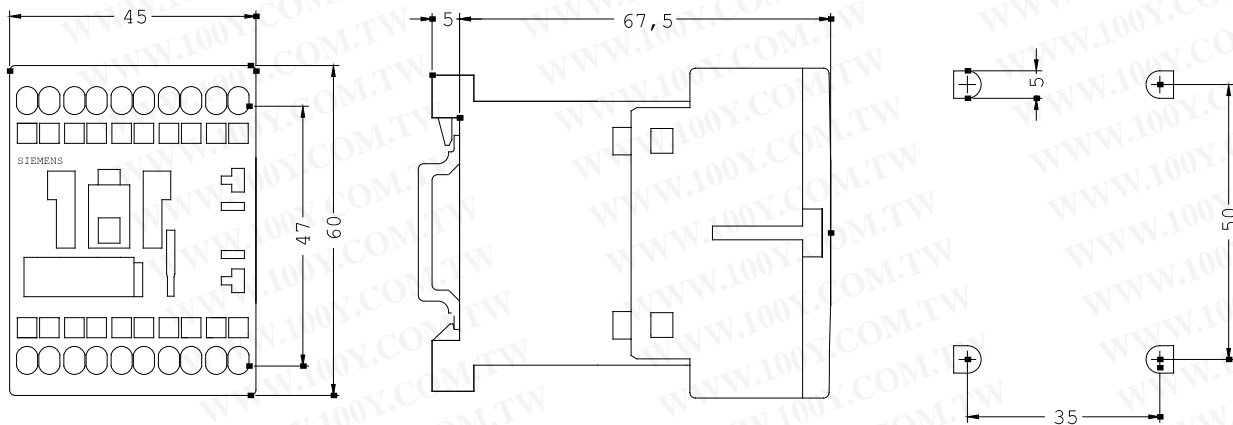
<http://www.siemens.com/cax>

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

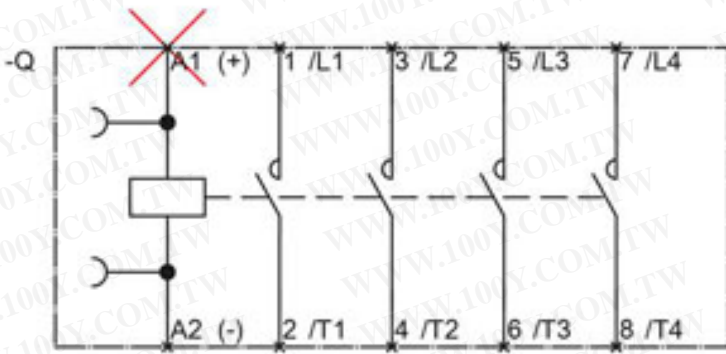
<http://support.automation.siemens.com/WW/view/en/3RT1317-2BB40/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1317-2BB40



勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



last change:

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