



CONTACTOR, AC-1 110 A, DC 24 V, 4-POLE,
SIZE S3,
SCREW CONNECTION AVAILABLE MARCH '98

General technical data:		
product brand name		SIRIUS
Size of the contactor		S3
Protection class IP / on the front		IP00
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	110
• at 60 °C ambient temperature / rated value	A	100
• with 1 current path / at DC-1		

- at 24 V / rated value
- at 110 V / rated value
- with 2 current paths in series / at DC-1
 - at 24 V / rated value
 - at 110 V / rated value
- with 3 current paths in series / at DC-1
 - at 24 V / rated value
 - at 110 V / rated value
- with 1 current path / at DC-3 / at DC-5
 - at 24 V / rated value
 - at 110 V / rated value
- with 2 current paths in series / at DC-3 / at DC-5
 - at 24 V / rated value
 - at 110 V / rated value
- with 3 current paths in series / at DC-3 / at DC-5
 - at 24 V / rated value
 - at 110 V / rated value

A	70
A	4.5
A	70
A	70
A	70
A	70
A	20
A	2.5
A	70
A	70
A	70
A	70

Control circuit:

Type of voltage / of the controlled supply voltage		DC
Operating range factor control supply voltage rated value / of the magnet coil • for DC		0.8 ... 1.1
Pull-in power / of the solenoid / for DC	W	15
Holding power / of the solenoid / for DC	W	15

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 • 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: 250 A fuse gL/gG: 125 A
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Installation/mounting/dimensions:

Type of mounting		screw and snap-on mounting onto 35 mm and 75 mm standard mounting rail
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series installation		Yes
Width	mm	93
Height	mm	146
Depth	mm	152
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
 - stranded
 - 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
- for AWG conductors / for auxiliary contacts

2x (2.5 ... 16 mm²)
2x (4 ... 50 mm²)

2x (2.5 ... 35 mm²)
2x (4 ... 35 mm²)
2x (10 ... 1/0)

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²)

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
2x (20 ... 16), 2x (18 ... 14), 1x 12

Certificates/approvals:

General Product Approval

Functional Safety /
Safety of
Machinery

Declaration of
Conformity



CCC



CSA



GOST



UL

[Type Examination](#)



EG-Konf.

Test Certificates

[Special Test
Certificate](#)

Shipping Approval



ABS



DNV



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:

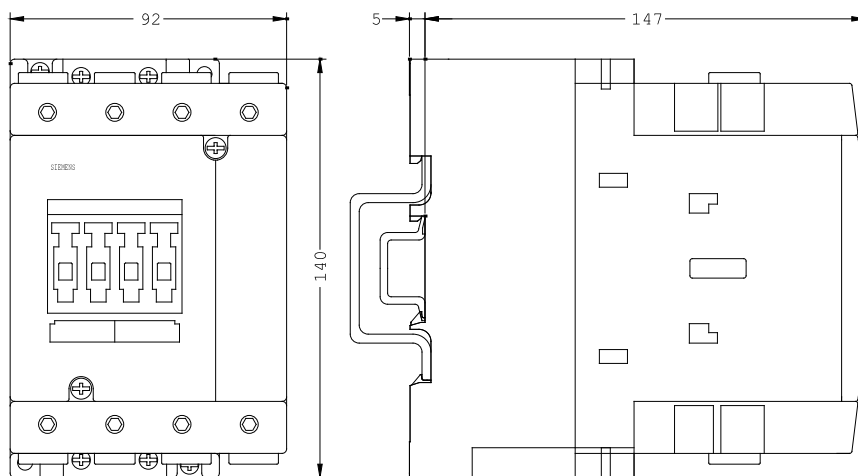
<http://www.siemens.com/cax>

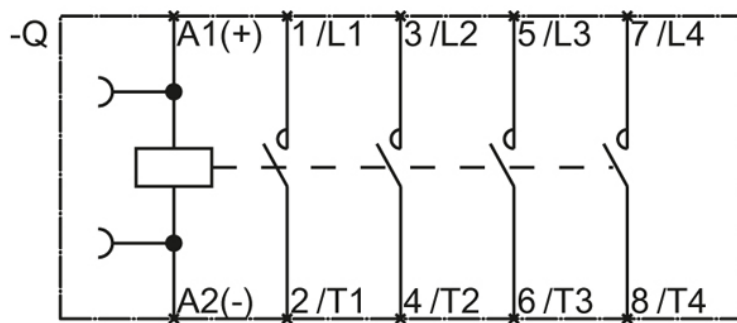
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RT1344-1BB40/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1344-1BB40





last change:

Feb 15, 2013