



CONTACTOR, AC-3 4 KW/400 V, 1 NO, AC 110 V, 50/60 HZ, 3-POLE, SIZE S00, SCREW CONNECTION

Figure similar

product brand name	SIRIUS
Product designation	power contactor
General technical data:	
Degree of pollution	3
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> • of the contactor typical • of the contactor with added electronics-compatible auxiliary switch block typical • of the contactor with added auxiliary switch block typical 	<p>30 000 000</p> <p>5 000 000</p> <p>10 000 000</p>
Protection class IP	
<ul style="list-style-type: none"> • on the front • of the terminal 	<p>IP20</p> <p>IP20</p>
Equipment marking	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 	<p>Q</p> <p>Q</p>
Main circuit:	
Number of poles for main current circuit	3
Number of NC contacts for main contacts	0
Number of NO contacts for main contacts	3
Operating current	
<ul style="list-style-type: none"> • at AC-1 <ul style="list-style-type: none"> — at 400 V at ambient temperature 40 °C Rated value 	22 A

— up to 690 V at ambient temperature 40 °C Rated value	22 A
— up to 690 V at ambient temperature 60 °C Rated value	20 A
• at AC-3 — at 400 V Rated value	9 A
• at AC-4 at 400 V Rated value	8.5 A
Operating current with 1 current path	
• at DC-1 — at 24 V Rated value	20 A
— at 110 V Rated value	2.1 A
• at DC-3 at DC-5 — at 24 V Rated value	20 A
— at 110 V Rated value	0.15 A
Operating current with 2 current paths in series	
• at DC-1 — at 24 V Rated value	20 A
— at 110 V Rated value	12 A
• at DC-3 at DC-5 — at 110 V Rated value	0.35 A
— at 24 V Rated value	20 A
Operating current with 3 current paths in series	
• at DC-1 — at 24 V Rated value	20 A
— at 110 V Rated value	20 A
• at DC-3 at DC-5 — at 110 V Rated value	20 A
— at 24 V Rated value	20 A
Active power loss at AC-3 at 400 V for rated value of the operating current per conductor	0.7 W
Control circuit/ Control:	
Type of voltage of the control supply voltage	AC
Control supply voltage with AC	
• at 50 Hz Rated value	110 V
• at 60 Hz Rated value	110 V
• Rated value	50 Hz
Control supply voltage frequency 2 Rated value	60 Hz
Operating range factor control supply voltage rated value of the magnet coil with AC	
• at 50 Hz	0.8 ... 1.1
• at 60 Hz	0.85 ... 1.1

Auxiliary circuit:

Number of NC contacts	
<ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — instantaneous contact 	0
Number of NO contacts	
<ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — instantaneous contact 	1
Operating current at AC-15	
<ul style="list-style-type: none"> • at 230 V Rated value • at 400 V Rated value 	6 A 3 A
Contact reliability of the auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)

Short-circuit:

Design of the fuse link	
<ul style="list-style-type: none"> • for short-circuit protection of the main circuit <ul style="list-style-type: none"> — with type of assignment 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required 	fuse gL/gG: 35 A fuse gL/gG: 20 A fuse gL/gG: 10 A

Installation/ mounting/ dimensions:

Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
<ul style="list-style-type: none"> • Side-by-side mounting 	Yes
Height	57.5 mm
Width	45 mm
Depth	72 mm
Required spacing	
<ul style="list-style-type: none"> • for grounded parts <ul style="list-style-type: none"> — at the side 	6 mm

Connections/ Terminals:

Type of electrical connection	
<ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit 	screw-type terminals screw-type terminals
Type of connectable conductor cross-section	
<ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> — solid — single or multi-stranded — finely stranded with core end processing • for AWG conductors for main contacts • for auxiliary contacts <ul style="list-style-type: none"> — solid — finely stranded with core end processing 	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), max. 2x (0.75 ... 4 mm ²) 2x (0,5 ... 1,5 mm ²), 2x (0,75 ... 2,5 mm ²), max. 2x (0,75 ... 4 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14), 1x 12 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), max. 2x (0.75 ... 4 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²)

• for AWG conductors for auxiliary contacts

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

Mechanical data:

Size of contactor S00

Ambient conditions:

Installation altitude at height above sea level maximum 2 000 m

Ambient temperature

• during operation -25 ... +60 °C

Certificates/ approvals:

General Product Approval

Functional Safety/Safety of Machinery

[Type Examination](#)



Declaration of Conformity

Test Certificates

Shipping Approval



[Special Test Certificate](#)



Shipping Approval

other



[Confirmation](#)

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Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

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

Cax online generator

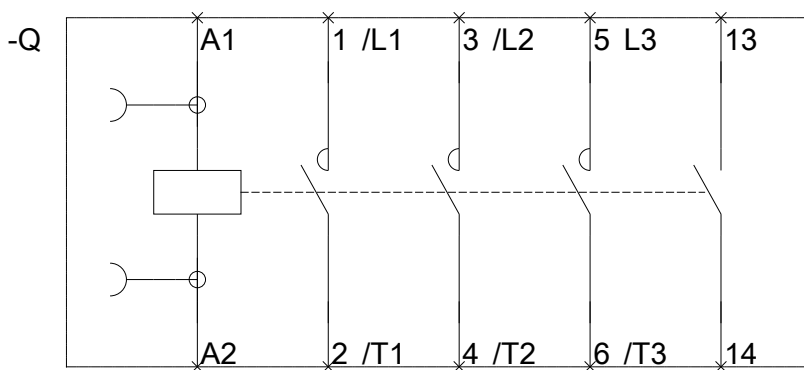
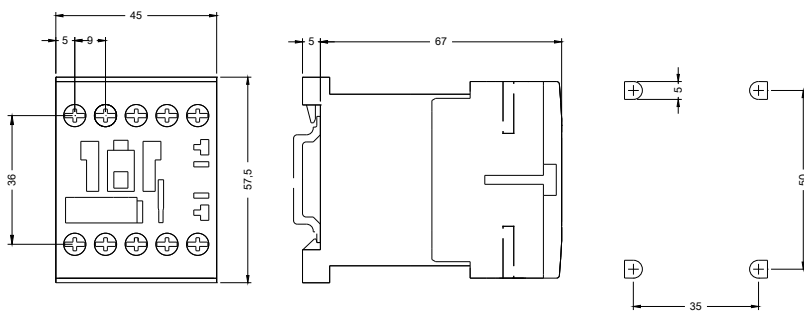
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RT10161AF01>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT10161AF01&lang=en



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27.04.2015