



CONTACTOR, AC-3 3 KW/400 V, 1 NC, DC 24 V, 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 — at 400 V at ambient temperature 40 °C Rated value 	<p>A</p> <p>18</p>

— up to 690 V at ambient temperature 40 °C Rated value	A	18
— up to 690 V at ambient temperature 60 °C Rated value	A	16
• at AC-3 — at 400 V Rated value	A	7
• at AC-4 at 400 V Rated value	A	6.5
Operating current with 1 current path		
• at DC-1 — at 24 V Rated value	A	15
— at 110 V Rated value	A	1.5
• at DC-3 at DC-5 — at 24 V Rated value	A	15
— at 110 V Rated value	A	0.1
Operating current with 2 current paths in series		
• at DC-1 — at 24 V Rated value	A	15
— at 110 V Rated value	A	8.4
• at DC-3 at DC-5 — at 110 V Rated value	A	0.25
— at 24 V Rated value	A	15
Operating current with 3 current paths in series		
• at DC-1 — at 24 V Rated value	A	15
— at 110 V Rated value	A	15
• at DC-3 at DC-5 — at 110 V Rated value	A	15
— at 24 V Rated value	A	15
Operating power		
• at AC-1 at 400 V Rated value	kW	11
• at AC-2 at 400 V Rated value	kW	3
• at AC-4 at 400 V Rated value	W	3 000
Operating power		
• at AC-3 — at 400 V Rated value	kW	3
— at 500 V Rated value	kW	3.5
— at 690 V Rated value	kW	4
Control circuit/ Control:		
Type of voltage of the control supply voltage		DC
Control supply voltage for DC		
• Rated value	V	24

Operating range factor control supply voltage rated value of the magnet coil for DC		0.85 ... 1.1
Closing power of the magnet coil for DC	W	3.3
Holding power of the magnet coil for DC	W	3.3

Auxiliary circuit:

Number of NC contacts		
<ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — instantaneous contact 		1
Number of NO contacts		
<ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — instantaneous contact 		0
Operating current at AC-15		
<ul style="list-style-type: none"> • at 230 V Rated value • at 400 V Rated value 	A A	6 3
Operating current		
<ul style="list-style-type: none"> • at DC-12 at 220 V Rated value • at DC-13 at 220 V Rated value 	A A	1 0.3
Operating current		
<ul style="list-style-type: none"> • at DC-12 <ul style="list-style-type: none"> — at 60 V Rated value — at 110 V Rated value • at DC-13 <ul style="list-style-type: none"> — at 24 V Rated value — at 60 V Rated value — at 110 V Rated value 	A A A A A	6 3 10 2 1
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	mm	57.5
Width	mm	45
Depth	mm	72
Required spacing		

- for grounded parts
 - at the side

mm	6
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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 • for AWG conductors for auxiliary contacts 		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) 2x (20 ... 16), 2x (18 ... 14), 1x 12

Mechanical data:

Size of contactor		S00
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Ambient conditions:

Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
<ul style="list-style-type: none"> • during operation 	°C	-25 ... +60

Certificates/ approvals:

General Product Approval	Functional Safety/Safety of Machinery
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[Type Examination](#)

Declaration of Conformity	Test Certificates	Shipping Approval
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[Special Test Certificate](#)

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Shipping Approval	other
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Industry Mall (Online ordering system)

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Cax online generator

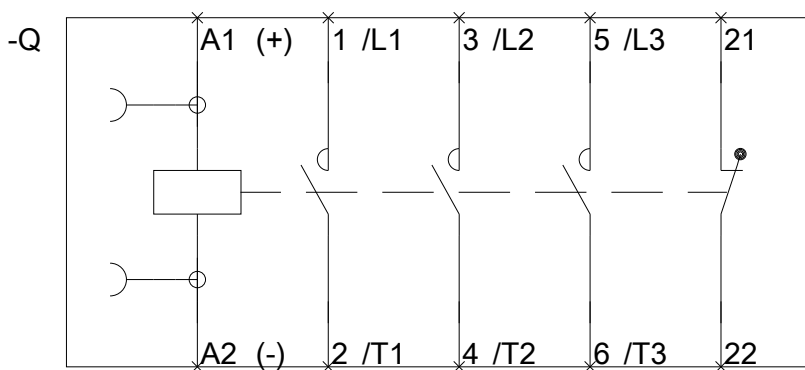
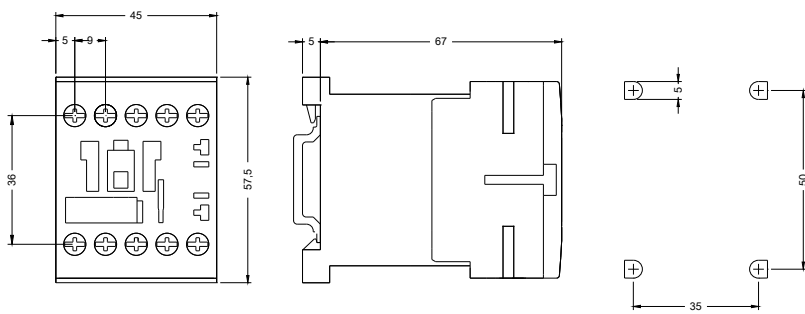
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT10151BB42>

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

<http://support.automation.siemens.com/WW/view/en/3RT10151BB42/all>

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

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