



CONTACTOR, AC-3 5.5KW/400V, 1NO 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"> <li>• of the contactor typical</li> <li>• of the contactor with added electronics-compatible auxiliary switch block typical</li> <li>• of the contactor with added auxiliary switch block typical</li> </ul>	<p>30 000 000</p> <p>5 000 000</p> <p>10 000 000</p>
Protection class IP	
<ul style="list-style-type: none"> <li>• on the front</li> <li>• of the terminal</li> </ul>	<p>IP20</p> <p>IP20</p>
Equipment marking	
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> <li>• acc. to DIN EN 81346-2</li> </ul>	<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"> <li>• at AC-1</li> <li>— at 400 V at ambient temperature 40 °C</li> <li>Rated value</li> </ul>	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	12 A
• at AC-4 at 400 V Rated value	8.5 A
<b>Operating current with 1 current path</b>	
• 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
<b>Operating current with 2 current paths in series</b>	
• 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
<b>Operating current with 3 current paths in series</b>	
• 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
<b>Active power loss at AC-3 at 400 V for rated value of the operating current per conductor</b>	1.24 W

<b>Control circuit/ Control:</b>	
<b>Type of voltage of the control supply voltage</b>	DC
<b>Control supply voltage for DC</b>	
• Rated value	24 V
<b>Operating range factor control supply voltage rated value of the magnet coil for DC</b>	0.85 ... 1.1
<b>Closing power of the magnet coil for DC</b>	3.3 W
<b>Holding power of the magnet coil for DC</b>	3.3 W

<b>Auxiliary circuit:</b>	
<b>Number of NC contacts</b>	
• for auxiliary contacts — instantaneous contact	0

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

#### Short-circuit:

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

#### Installation/ mounting/ dimensions:

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

#### Connections/ Terminals:

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

#### Mechanical data:

<b>Size of contactor</b>	S00
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## Ambient conditions:

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

## Certificates/ approvals:

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
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CCC



CSA



UL



[Type Examination](#)



EG-Konf.

Test Certificates	Shipping Approval
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[Special Test Certificate](#)

[other](#)



ABS



DNV



GL



LRS

Shipping Approval	other
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PRS



RINA



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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**

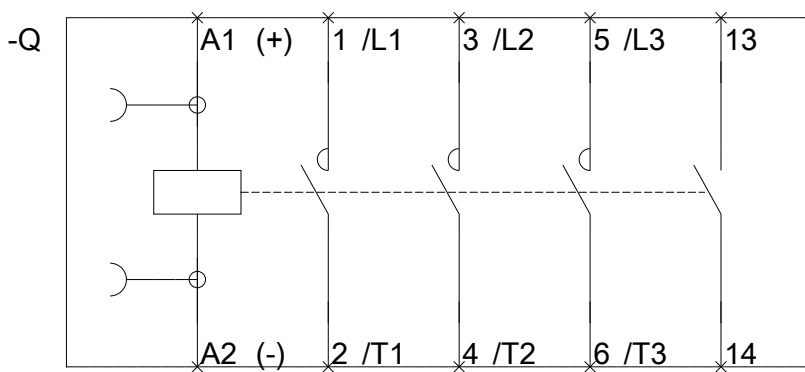
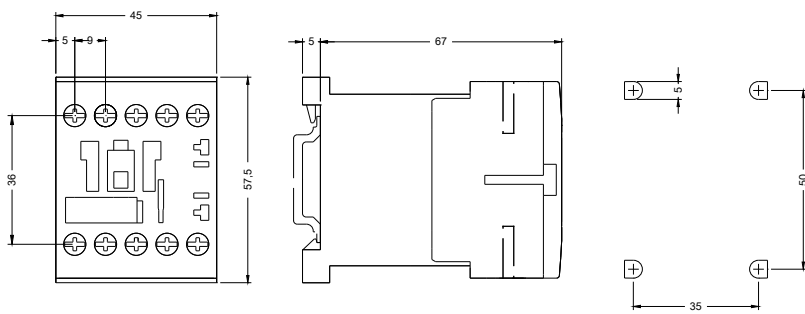
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RT10171BB41>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT10171BB41>

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

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