



CONTACTOR, AC-3, 4KW/400V, 1NO, AC 230V 50/60HZ, 3-POLE, SIZE S00, SCREW TERMINAL

Figure similar

product brand name	SIRIUS
Product designation	power contactor
<b>General technical data:</b>	
Degree of pollution	3
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> <li>• of the contactor typical</li> </ul>	30 000 000
<ul style="list-style-type: none"> <li>• of the contactor with added electronics-compatible auxiliary switch block typical</li> </ul>	5 000 000
<ul style="list-style-type: none"> <li>• of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
Protection class IP	
<ul style="list-style-type: none"> <li>• on the front</li> </ul>	IP20
<ul style="list-style-type: none"> <li>• of the terminal</li> </ul>	IP20
Equipment marking	
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>	Q
<ul style="list-style-type: none"> <li>• acc. to DIN EN 81346-2</li> </ul>	Q
<b>Main circuit:</b>	
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> </ul>	
<ul style="list-style-type: none"> <li>— at 400 V at ambient temperature 40 °C</li> </ul>	22 A
Rated value	

— 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
<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>	0.7 W

<b>Control circuit/ Control:</b>	
<b>Type of voltage of the control supply voltage</b>	AC
<b>Control supply voltage with AC</b>	
• at 50 Hz Rated value	230 V
• at 60 Hz Rated value	230 V
• Rated value	50 Hz
<b>Control supply voltage frequency 2 Rated value</b>	60 Hz
<b>Operating range factor control supply voltage rated value of the magnet coil with AC</b>	
• at 50 Hz	0.8 ... 1.1
• at 60 Hz	0.85 ... 1.1

**Auxiliary circuit:**

<b>Number of NC 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>	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> </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> )

• 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](#)



CCC



CSA



UR



UL

Declaration of Conformity

Test Certificates

Shipping Approval



EG-Konf.

[Special Test Certificate](#)



ABS



DNV



GL



LRS

Shipping Approval

other



PRS



RINA



RMRS

[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/industrymall>

Cax online generator

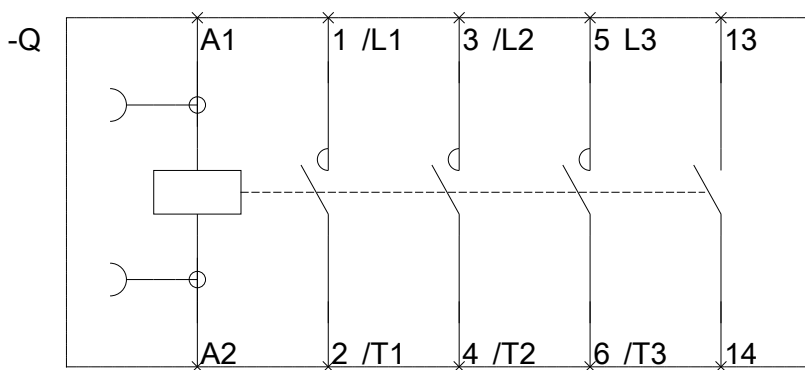
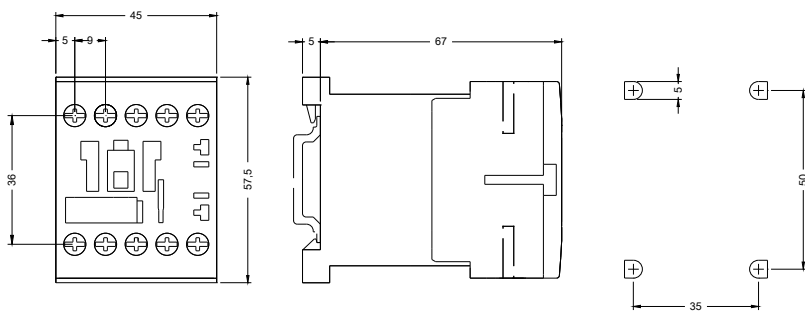
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT10161AP01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT10161AP01>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT10161AP01&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT10161AP01&lang=en)



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