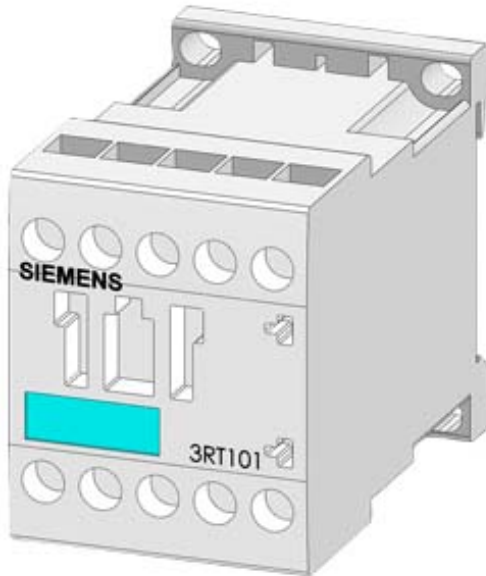


CONTACTOR RELAY, 4NO, DC 24 V, SCREW CONNECTION,  
SIZE S00



product brandname	SIRIUS
Product designation	contactor relay
<b>General technical data</b>	
Size of contactor	S00
Product extension	
• Auxiliary switch	Yes
Insulation voltage	
• with degree of pollution 3 rated value	690 V
Degree of pollution	3
Surge voltage resistance rated value	6 kV
Protection class IP	
• on the front	IP20
Mechanical service life (switching cycles)	
• of contactor typical	30 000 000
• of the contactor with added electronics-compatible auxiliary switch block typical	5 000 000
• of the contactor with added auxiliary switch block typical	10 000 000
Equipment marking	

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

K  
K

### Ambient conditions

#### Ambient temperature

- during operation -25 ... +60 °C
- during storage -55 ... +80 °C
- during transport -55 ... +80 °C

### Control circuit/ Control

#### Type of voltage of the control supply voltage

DC

#### Control supply voltage at DC

- rated value 24 V

#### Closing power of magnet coil at DC

3.2 W

#### Holding power of magnet coil at DC

3.2 W

### Auxiliary circuit

#### Number of NC contacts

- for auxiliary contacts 0
  - instantaneous contact 0
  - delayed switching 0
  - lagging switching 0
  - make-before-break switching 0

#### Number of NO contacts

- for auxiliary contacts 4
  - instantaneous contact 4
  - delayed switching 0
  - leading contact 0
  - make-before-break switching 0

#### Number of CO contacts

- for auxiliary contacts 0
- of auxiliary contacts instantaneous contact 0

#### Identification number and letter for switching elements

40 E

#### Operating current at AC-12 maximum

10 A

#### Operating current at AC-15

- at 230 V rated value 6 A
- at 400 V rated value 3 A
- at 500 V rated value 2 A
- at 690 V rated value 1 A

#### Operating current at 1 current path at DC-12

- at 24 V rated value 10 A
- at 110 V rated value 3 A
- at 220 V rated value 1 A

<b>Operating current at 1 current path at DC-13</b>	
<ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 110 V rated value</li> <li>• at 220 V rated value</li> </ul>	<p>10 A</p> <p>1 A</p> <p>0.27 A</p>
<b>Contact reliability of auxiliary contacts</b>	1 faulty switching per 100 million (17 V, 1 mA)

### Short-circuit protection

<b>Design of the fuse link</b>	
<ul style="list-style-type: none"> <li>• for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gL/gG: 10 A

### Installation/ mounting/ dimensions

<b>Mounting position</b>	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
<b>Mounting type</b>	screw and snap-on mounting
<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>• with side-by-side mounting <ul style="list-style-type: none"> <li>— at the side</li> </ul> </li> </ul>	0 mm

### Connections/Terminals

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

### Safety related data

<b>B10 value</b>	
<ul style="list-style-type: none"> <li>• with high demand rate acc. to SN 31920</li> </ul>	1 000 000; With 0.3 x I <sub>e</sub>
<b>Proportion of dangerous failures</b>	
<ul style="list-style-type: none"> <li>• with low demand rate acc. to SN 31920</li> <li>• with high demand rate acc. to SN 31920</li> </ul>	<p>40 %</p> <p>75 %</p>
<b>T1 value for proof test interval or service life acc. to IEC 61508</b>	20 y

### Certificates/approvals

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
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[Baumusterbescheinigung](#)



Test Certificates	Shipping Approval
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[Typprüfbescheinigung/Werkszeugnis](#)

[spezielle Prüfbescheinigungen](#)



Shipping Approval	other
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[Umweltbestätigung](#)

[Sonstige](#)

[Bestätigungen](#)

### Further information

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

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

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH1140-1BB40>

**Cax online generator**

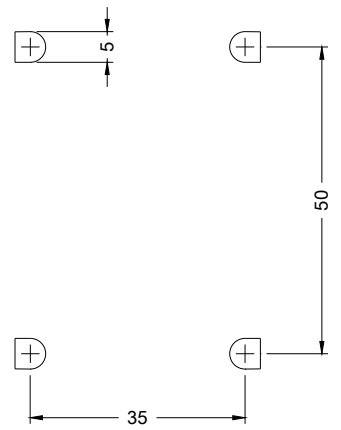
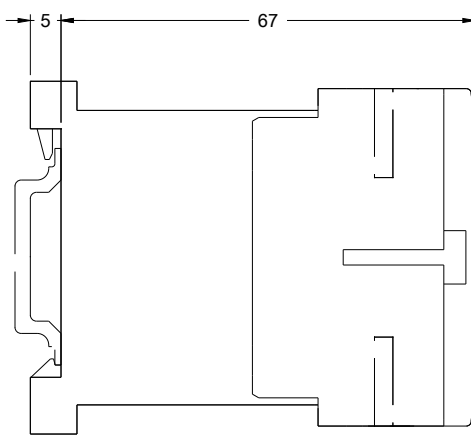
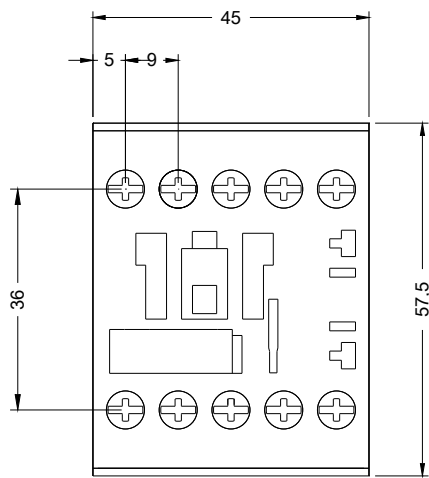
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1140-1BB40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1140-1BB40>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH1140-1BB40&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1140-1BB40&lang=en)





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06/12/2017