

OVERLOAD RELAY 0.32...1.25 A FOR MOTOR PROTECTION  
 SIZE S00, CLASS 10 FOR MOUNTING ONTO CONT. MAIN  
 CIRCUIT: SCREW CONNECTION AUX. CIRCUIT: SPRINGLOAD.  
 TERM. MANUAL-AUTOMATIC-RESET



Figure similar

<b>product brandname</b>	SIRIUS
<b>Product designation</b>	solid-state overload relay
<b>General technical data</b>	
<b>Size of contactor can be combined company-specific</b>	S00
<b>Power loss [W] total typical</b>	0.05 W
<b>Insulation voltage</b>	690 V
• with degree of pollution 3 rated value	
<b>Surge voltage resistance rated value</b>	6 kV
<b>Protection class IP</b>	IP20
• on the front	
<b>Type of protection</b>	PTB 06 ATEX 3001 Ex II (2) GD
<b>Equipment marking acc. to DIN EN 81346-2</b>	F
<b>Ambient conditions</b>	
<b>Ambient temperature</b>	
• during operation	-25 ... +60 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C

Main circuit	
Number of poles for main current circuit	3
Adjustable pick-up value current of the current-dependent overload release	0.32 ... 1.25 A
Operating voltage <ul style="list-style-type: none"> <li>at AC-3 rated value maximum</li> </ul>	690 V

Auxiliary circuit	
Number of NC contacts <ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>	1
Number of NO contacts <ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>	1
Number of CO contacts <ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>	0
Operating current of auxiliary contacts at AC-15 <ul style="list-style-type: none"> <li>at 24 V</li> <li>at 110 V</li> <li>at 120 V</li> <li>at 125 V</li> <li>at 230 V</li> </ul>	4 A 4 A 4 A 4 A 3 A
Operating current of auxiliary contacts at DC-13 <ul style="list-style-type: none"> <li>at 24 V</li> <li>at 60 V</li> <li>at 110 V</li> <li>at 125 V</li> <li>at 220 V</li> </ul>	2 A 0.55 A 0.3 A 0.3 A 0.11 A

Protective and monitoring functions	
Trip class	CLASS 10E

Short-circuit protection	
Design of the fuse link <ul style="list-style-type: none"> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gL/gG: 6 A

Installation/ mounting/ dimensions	
Mounting position	any
Mounting type	direct mounting
Height	64 mm
Width	45 mm
Depth	73 mm
Required spacing <ul style="list-style-type: none"> <li>with side-by-side mounting <ul style="list-style-type: none"> <li>— forwards</li> </ul> </li> </ul>	0 mm

— Backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
• for grounded parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— at the side	6 mm
— downwards	0 mm
• for live parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	6 mm

### Connections/Terminals

<b>Product function</b>	
• removable terminal for auxiliary and control circuit	Yes
<b>Type of electrical connection</b>	
• for main current circuit	screw-type terminals
• for auxiliary and control current circuit	spring-loaded terminals
<b>Type of connectable conductor cross-sections</b>	
• for main contacts	
— solid	2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )
— finely stranded with core end processing	2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )
• at AWG conductors for main contacts	2x (18 ... 14)
<b>Type of connectable conductor cross-sections</b>	
• for auxiliary contacts	
— solid	2x (0.25 ... 1.5 mm <sup>2</sup> )
— finely stranded with core end processing	2x (0.25 ... 1.5 mm <sup>2</sup> )
• at AWG conductors for auxiliary contacts	2x (24 ... 16)

### Electromagnetic compatibility

<b>Field-bound parasitic coupling acc. to IEC 61000-4-3</b>	10 V/m
<b>Electrostatic discharge acc. to IEC 61000-4-2</b>	6 kV contact discharge / 8 kV air discharge

### Certificates/approvals

General Product Approval	EMC	For use in hazardous locations
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Declaration of Conformity	Test Certificates	Shipping Approval
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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



**other**

[Environmental Confirmations](#)

[Miscellaneous](#)

[Confirmation](#)

**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=3RB2016-1ND0>

**Cax online generator**

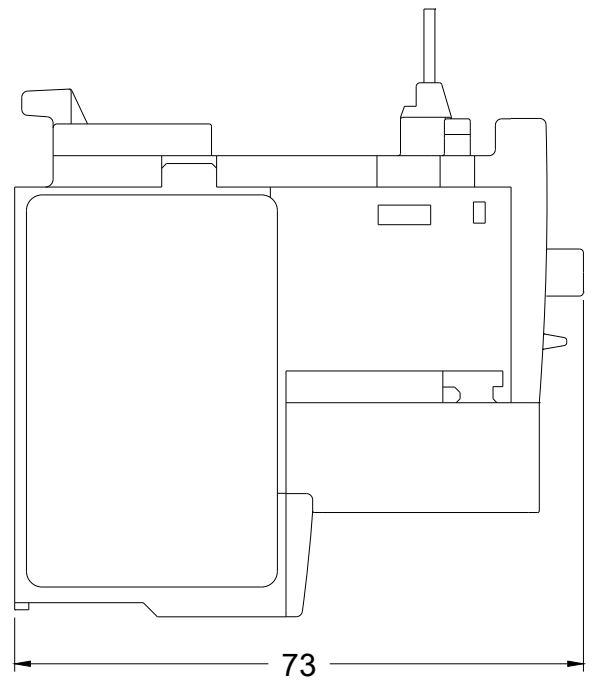
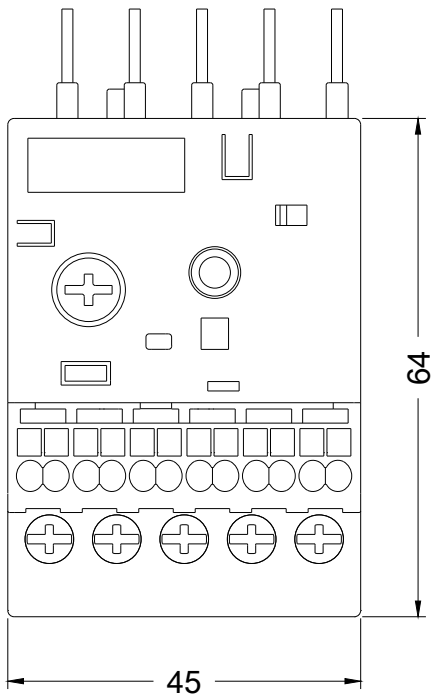
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RB2016-1ND0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RB2016-1ND0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RB2016-1ND0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RB2016-1ND0&lang=en)



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