



OVERLOAD RELAY 0.1...0.4 A FOR MOTOR PROTECTION SIZE S00, CLASS 5...30 FOR MOUNTING ONTO CONT. MAIN CIRCUIT: SCREW CONNECTION AUX. CIRCUIT: SPRINGLOAD. TERM. MANUAL-AUTOMATIC-RESET INT. EARTH FAULT DETECTION

## General technical data:

product brand name		SIRIUS
Product designation		solid-state overload relay
Size of overload relay		S00
Number of poles / for main current circuit		3
Product function / removable terminal for auxiliary and control circuit		Yes
Impulse voltage resistance / rated value	kV	6
Protection class IP		IP20
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe
Installation altitude / at a height over sea level / maximum	m	2,000
Resistance against shock		15g / 11 ms
Ambient temperature		
• during transport	°C	-40 ... +80
• during storage	°C	-40 ... +80
• during operating	°C	-25 ... +60
Relative humidity / during operating phase / maximum	%	100
Electrostatic discharge / according to IEC 61000-4-2		6 kV contact discharge / 8 kV air discharge
Field-bound parasitic coupling / according to IEC 61000-4-3		10 V/m

<b>Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4</b>		2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3
<b>Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5</b>		2 kV (line to earth) corresponds to degree of severity 3
<b>Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5</b>		1 kV (line to line) corresponds to degree of severity 3
<b>Type of protection</b>		PTB 06 ATEX 3001 Ex II (2) GD
<b>Active power loss / total / typical</b>	W	0.05
<b>Size of the contactor / can be combined / company-specific</b>		S00

#### Main circuit:

<b>Operating current / of the fuse link / rated value</b>	A	1
<b>Type of assignment</b>		2

#### Auxiliary circuit:

<b>Number of NC contacts / for auxiliary contacts</b>		1
<b>Number of NO contacts / for auxiliary contacts</b>		1
<b>Number of changeover contacts / for auxiliary contacts</b>		0
<b>Design of the fuse link / for short-circuit protection of the auxiliary switch / required</b>		fuse gL/gG: 6 A
<b>Operating current / of the auxiliary contacts</b>		
<ul style="list-style-type: none"> <li>• 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> </li> <li>• 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> </li> </ul>	A	4
	A	4
	A	4
	A	4
	A	3
	A	2
	A	0.55
	A	0.3
	A	0.3
	A	0.11

#### Protective and monitoring functions:

<b>Trip class</b>		CLASS 5, 10, 20 and 30 adjustable
<b>Adjustable response current / of the current-dependent overload release</b>	A	0.1 ... 0.4

#### Installation/ mounting/ dimensions:

<b>Mounting type</b>		direct mounting
<b>mounting position</b>		any
<b>Depth</b>	mm	73

<b>Height</b>	mm	64
<b>Width</b>	mm	45

### Connections/ terminals:

#### Design of the electrical connection

- for main current circuit
- for auxiliary and control current circuit

screw-type terminals  
spring-loaded terminals

#### Type of the connectable conductor cross-section

- for main contacts
  - solid
  - finely stranded
    - with conductor end processing
- for AWG conductors / for main contacts
- for auxiliary contacts
  - solid
  - finely stranded
    - with conductor end processing
- for AWG conductors / for auxiliary contacts

2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)

2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)

2x (18 ... 14)

2x (0.25 ... 1.5 mm<sup>2</sup>)

2x (0.25 ... 1.5 mm<sup>2</sup>)

2x (24 ... 16)

### Certificates/ approvals:

#### General Product Approval

#### EMC

#### For use in hazardous locations



CCC



CSA



UL



C-TICK



ATEX

#### Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

#### Shipping Approval



ABS



DNV



GL



LRS



RINA

#### other

[Declaration of Conformity](#)

[other](#)

[Environmental Confirmations](#)

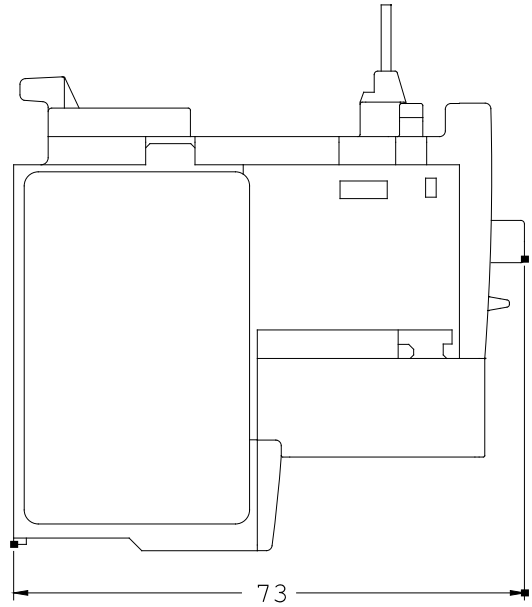
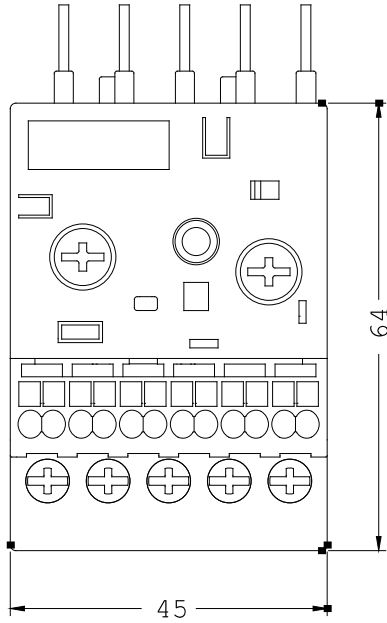
### Further information:

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

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

#### Industry Mall (Online ordering system)

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



last change:

Jun 16, 2014