

PROCESSING UNIT FOR FULL MOTOR PROTECTION SIZE  
S00...S12, CLASS 5...30 STAND-ALONE INSTALLATION MAIN  
CIRCUIT: -- AUX. CIRCUIT: SCREW CONNECTION MANUAL-  
AUTOMATIC-RESET



product brand name	SIRIUS
Product designation	solid-state overload relay

**General technical data:**

Size of overload relay	S00 ... S12
Size of contactor can be combined company-specific	S00 ... S12
Power loss [W] total typical	0.5 W
Insulation voltage with degree of pollution 3 rated value	300 V
Surge voltage resistance rated value	4 kV
Protection class IP <ul style="list-style-type: none"> <li>• on the front</li> </ul>	IP20
Type of protection	PTB 05 ATEX 3022 Ex II (2) GD
Protection against electrical shock	finger-safe
Equipment marking acc. to DIN EN 81346-2	F

**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

<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +80 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +80 °C
<b>Relative humidity during operation</b>	100 %

#### Main circuit:

<b>Number of poles for main current circuit</b>	3
<b>Adjustable pick-up value current of the current-dependent overload release</b>	0.3 ... 630 A
<b>Operating voltage</b>	
<ul style="list-style-type: none"> <li>at AC-3 rated value maximum</li> </ul>	1 000 V

#### Auxiliary circuit:

<b>Number of NC contacts</b>	
<ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>	2
<b>Number of NO contacts</b>	
<ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>	2
<b>Number of CO contacts</b>	
<ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>	0
<b>Operating current of auxiliary contacts at AC-15</b>	
<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>	6 A 6 A 6 A 6 A 3 A
<b>Operating current of auxiliary contacts at DC-13</b>	
<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 0.2 A

#### Protective and monitoring functions:

<b>Trip class</b>	Class 5, 10, 20 and 30 adjustable
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#### 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: 6 A

#### Installation/ mounting/ dimensions:

<b>Mounting position</b>	any
<b>Mounting type</b>	stand-alone installation
<b>Height</b>	111 mm
<b>Width</b>	45 mm
<b>Depth</b>	95 mm
<b>Required spacing</b>	



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



Shipping Approval	other
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[Umweltbestätigung](#)

[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=3RB2283-4AA1>

**Cax online generator**

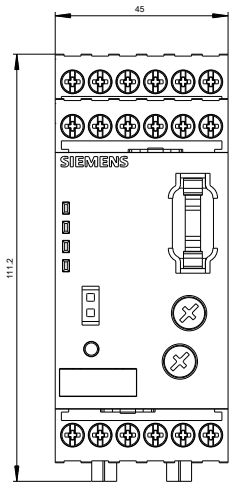
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RB2283-4AA1>

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

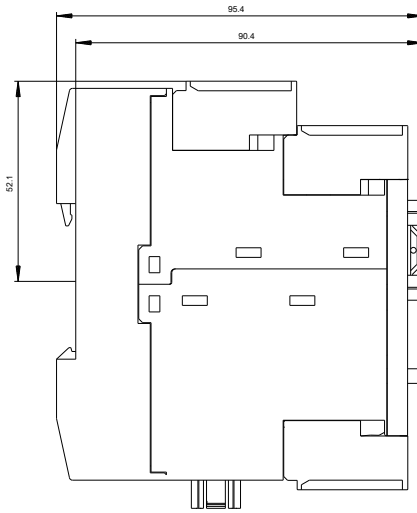
<https://support.industry.siemens.com/cs/ww/en/ps/3RB2283-4AA1>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RB2283-4AA1&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RB2283-4AA1&lang=en)



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