



OVERLOAD RELAY 1...4 A FOR MOTOR PROTECTION
SIZE S00,
CLASS 5...30 CONTACTOR ASS. MAIN CIRCUIT: SPR.-
LOAD.TERM. AUX.CIRCUIT: SPR.-LOAD.TERM. MANUAL-
AUTOM.-RESET INT. GROUND 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
Product function		
• overload protection		Yes
• phase disturbance recognition		Yes
• short-circuit to earth recognition		Yes
Product component		
• auxiliary switch		Yes
• trip indicator		Yes
Insulation voltage / with degree of pollution 3 / rated value	V	690
Impulse voltage resistance / rated value	kV	6
Protection class IP		
• of the terminal		IP20
• on the front		IP20
Protection against electrical shock		finger-safe

Type of voltage supply / via input/ output link master		No
Voltage type / for auxiliary and control circuit		AC/DC

Auxiliary circuit:		
Number of NC contacts / for auxiliary contacts		1
Number of NO contacts / for auxiliary contacts		1
Number of changeover contacts / for auxiliary contacts		0
Design of the fuse link / for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 6 A

Protective and monitoring functions:		
Trip class		CLASS 5, 10, 20 and 30 adjustable
Adjustable response current		
• of the current-dependent overload release	A	1 ... 4

Installation/ mounting/ dimensions:		
Mounting type		direct mounting
mounting position		any
Depth	mm	90
Height	mm	72
Width	mm	45
Arrangement of electrical connectors / for main current circuit		Top and bottom

Connections/ terminals:		
Design of the electrical connection		
• for main current circuit		spring-loaded terminals
• for auxiliary and control current circuit		spring-loaded terminals
Type of the connectable conductor cross-section		
• for main contacts		
• solid or multi-stranded		1x (0,5 ... 4 mm²)
• finely stranded		
• without conductor final cutting		1x (0.5 ... 2.5 mm²)
• with conductor end processing		1x (0.5 ... 2.5 mm²)
• for AWG conductors / for main contacts		1x (20 ... 12)
• for auxiliary contacts		
• solid or multi-stranded		1x (0,5 ... 1,5 mm²), 2x (0,5 ... 1,5 mm²)
• finely stranded		
• without conductor final cutting		1x (0.25 ... 1.5 mm²), 2x (0.25 ... 1.5 mm²)
• with conductor end processing		1x (0.25 ... 1.5 mm²), 2x (0.25 ... 1.5 mm²)
• for AWG conductors / for auxiliary contacts		1x (24 ... 16), 2x (24 ... 16)

UL/CSA ratings:		
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Contact rating designation / for auxiliary contacts / according to UL

B300 / R300

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



BUREAU
VERITAS



GL



LRS



RINA

other

[Declaration of
Conformity](#)

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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://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RB3113-4PE0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RB3113-4PE0



