

OVERLOAD RELAY, 0.45...0.63 A, FOR MOTOR PROTECTION
 SIZE S00, CLASS 10, CONTACTOR MOUNTING MAIN CIRCUIT:
 SCREW TERMINAL AUX. CIRCUIT: SCREW TERMINAL MANUAL
 AUTOM. RESET REUSABLE PACKAGING 1 PACK = 128 UNITS

product brand name	SIRIUS
Product designation	thermal overload relay

General technical data

Size of overload relay	S00
Size of contactor can be combined company-specific	S00
Power loss [W] total typical	6.6 W
Insulation voltage with degree of pollution 3 rated value	690 V
Surge voltage resistance rated value	6 kV
Protection class IP <ul style="list-style-type: none"> • on the front 	IP20
Shock resistance	8g / 10 ms
Type of protection	DMT 98 ATEX G 001
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"> • during operation • during storage • during transport 	-20 ... +70 °C -55 ... +80 °C -55 ... +80 °C
Relative humidity during operation	100 %

Main circuit

Number of poles for main current circuit	3
Adjustable pick-up value current of the current-dependent overload release	0.45 ... 0.63 A
Operating voltage <ul style="list-style-type: none"> • at AC-3 rated value maximum 	690 V

Auxiliary circuit

Number of NC contacts <ul style="list-style-type: none"> • for auxiliary contacts 	1
Number of NO contacts <ul style="list-style-type: none"> • for auxiliary contacts 	1

Number of CO contacts	
• for auxiliary contacts	0
Operating current of auxiliary contacts at AC-15	
• at 24 V	3 A
• at 110 V	3 A
• at 120 V	3 A
• at 125 V	3 A
• at 230 V	2 A
• at 400 V	1 A
Operating current of auxiliary contacts at DC-13	
• at 24 V	1 A
• at 110 V	0.22 A
• at 125 V	0.22 A
• at 220 V	0.11 A

Protective and monitoring functions

Trip class	CLASS 10
-------------------	----------

Short-circuit protection

Design of the fuse link	
• for short-circuit protection of the auxiliary switch required	fuse gL/gG: 6 A, quick: 10 A

Installation/ mounting/ dimensions

Mounting position	with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back
Mounting type	direct mounting
Height	87 mm
Width	45 mm
Depth	78 mm
Required spacing	
• with side-by-side mounting	
— forwards	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

Product function	
<ul style="list-style-type: none"> removable terminal for auxiliary and control circuit 	No
Type of electrical connection	
<ul style="list-style-type: none"> for main current circuit for auxiliary and control current circuit 	screw-type terminals screw-type terminals
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> for main contacts <ul style="list-style-type: none"> — solid — finely stranded with core end processing at AWG conductors for main contacts 	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), 2x 4 mm ² max. 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14), 2x 12
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> for auxiliary contacts <ul style="list-style-type: none"> — solid — finely stranded with core end processing at AWG conductors for auxiliary contacts 	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14)

Certificates/approvals

General Product Approval	For use in hazardous locations	Declaration of Conformity	Test Certificates
--------------------------	--------------------------------	---------------------------	-------------------



[spezielle Prüfbescheinigung](#)

Test Certificates	Shipping Approval
-------------------	-------------------

[Typprüfbescheinigung/Werkszeugnis](#)



Shipping Approval	other
-------------------	-------



[sonstig](#)

[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=3RU1116-0GB0-Z W95>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU1116-0GB0-Z W95>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RU1116-0GB0-Z W95>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU1116-0GB0-Z W95&lang=en

last modified:

09/20/2016