

Overload relay 4.5...6.3 A For motor protection Size S00, Class 10
 Stand-alone installation Main circuit: screw terminal Auxiliary circuit:
 screw terminal Manual-Automatic-Reset !!! Phased-out product !!!
 Successor is SIRIUS 3RU2 Preferred successor type is >>3RU2116-
 1GB1<<



Figure similar

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] for rated value of the current	
• at AC in hot operating state	6.6 W
• at AC in hot operating state per pole	2.2 W
Insulation voltage with degree of pollution 3 at AC rated value	690 V
Surge voltage resistance rated value	6 kV
Protection class IP	
• on the front	IP20
Shock resistance	8g / 10 ms
Type of protection	DMT 98 ATEX G 001
Reference code acc. to DIN EN 81346-2	F

Ambient conditions

Installation altitude at height above sea level	
<ul style="list-style-type: none"> • maximum 	2 000 m
Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-20 ... +70 °C
<ul style="list-style-type: none"> • during storage 	-55 ... +80 °C
<ul style="list-style-type: none"> • during transport 	-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	4.5 ... 6.3 A
Operating voltage	
<ul style="list-style-type: none"> • at AC-3 rated value maximum 	690 V

Auxiliary circuit

Number of NC contacts for auxiliary contacts	1
Number of NO contacts for auxiliary contacts	1
Number of CO contacts	
<ul style="list-style-type: none"> • for auxiliary contacts 	0
Operating current of auxiliary contacts at AC-15	
<ul style="list-style-type: none"> • at 24 V 	3 A
<ul style="list-style-type: none"> • at 110 V 	3 A
<ul style="list-style-type: none"> • at 120 V 	3 A
<ul style="list-style-type: none"> • at 125 V 	3 A
<ul style="list-style-type: none"> • at 230 V 	2 A
<ul style="list-style-type: none"> • at 400 V 	1 A
Operating current of auxiliary contacts at DC-13	
<ul style="list-style-type: none"> • at 24 V 	1 A
<ul style="list-style-type: none"> • at 110 V 	0.22 A
<ul style="list-style-type: none"> • at 125 V 	0.22 A
<ul style="list-style-type: none"> • at 220 V 	0.11 A

Protective and monitoring functions

Trip class	CLASS 10
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Short-circuit protection

Design of the fuse link	
<ul style="list-style-type: none"> • 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	stand-alone installation
Height	87 mm