



OVERLOAD RELAY 0.18...0.25 A FOR MOTOR PROTECTION SZ S00, CLASS 10, F. MOUNTING ONTO CONTACTOR MAIN CIRCUIT: SCREW TERMINAL AUX. CIRCUIT: SCREW TERMINAL MANUAL-AUTOMATIC-RESET

product brand name	SIRIUS
Product designation	3RU2 thermal overload relay

General technical data:

Size of contactor can be combined company-specific	S00
Active power loss total typical	4.1 W
Insulation voltage	
• with degree of pollution 3 Rated value	690 V
Surge voltage resistance Rated value	6 kV
Temperature compensation	-40 ... +60 °C
Type of assignment	2
Protection class IP	
• on the front	IP20
• of the terminal	IP20
Type of protection	DMT 98 ATEX G 001
Equipment marking	
• acc. to DIN EN 81346-2	F

Ambient conditions:

Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-55 ... +80 °C
• during transport	-55 ... +80 °C
Relative humidity during operation	0 ... 90 %

Main circuit:

Number of poles for main current circuit	3
Adjustable response value current of the current-dependent overload release	0.18 ... 0.25 A
Operating voltage <ul style="list-style-type: none">• Rated value• at AC-3 Rated value maximum	690 V 690 V
Operating frequency Rated value	50 ... 60 Hz
Operating current Rated value	0.25 A
Operating current <ul style="list-style-type: none">• at AC-3— at 400 V Rated value	0.25 A

Auxiliary circuit:

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

Protective and monitoring functions:

Trip class	CLASS 10
Design of the overload circuit breaker	thermal

UL/CSA ratings:

Full-load current (FLA) for three-phase AC motor <ul style="list-style-type: none">• at 480 V Rated value• at 600 V Rated value	0.25 A 0.25 A
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