



OVERLOAD RELAY 3.5...5.0 A FOR MOTOR PROTECTION SZ S0, 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	S0
Active power loss total typical	6.1 W
Insulation voltage	690 V
• with degree of pollution 3 Rated value	
Surge voltage resistance Rated value	6 kV
Temperature compensation	-40 ... +60 °C
Type of assignment	2
Protection class IP	IP20
• on the front	
• of the terminal	IP20
Type of protection	DMT 98 ATEX G 001
Equipment marking	F
• acc. to DIN EN 81346-2	

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	3.5 ... 5 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	5 A
Operating current <ul style="list-style-type: none"> • at AC-3 — at 400 V Rated value 	5 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 	5 A 5 A