



OVERLOAD RELAY 1.8...2.5 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	5.1 W
Insulation voltage	690 V
<ul style="list-style-type: none"> <li>with degree of pollution 3 Rated value</li> </ul>	690 V
Surge voltage resistance Rated value	6 kV
Temperature compensation	-40 ... +60 °C
Type of assignment	2
Protection class IP	IP20
<ul style="list-style-type: none"> <li>on the front</li> <li>of the terminal</li> </ul>	IP20
Type of protection	DMT 98 ATEX G 001
Equipment marking	F
<ul style="list-style-type: none"> <li>acc. to DIN EN 81346-2</li> </ul>	F

**Ambient conditions:**

Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	-40 ... +70 °C
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-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	1.8 ... 2.5 A
Operating voltage <ul style="list-style-type: none"> <li>• Rated value</li> <li>• at AC-3 Rated value maximum</li> </ul>	690 V 690 V
Operating frequency Rated value	50 ... 60 Hz
Operating current Rated value	2.5 A
Operating current <ul style="list-style-type: none"> <li>• at AC-3</li> <li>— at 400 V Rated value</li> </ul>	2.5 A

Auxiliary circuit:	
Number of NC contacts <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> <li>— Note</li> </ul>	1 for contactor disconnection
Number of NO contacts <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> <li>— Note</li> </ul>	1 for message "Tripped"
Number of CO contacts <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>	0
Design of the auxiliary switch	integrated
Operating current of the auxiliary contacts at AC-15 <ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 110 V</li> <li>• at 120 V</li> <li>• at 125 V</li> <li>• at 230 V</li> <li>• at 400 V</li> </ul>	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"> <li>• at 24 V</li> <li>• at 110 V</li> <li>• at 125 V</li> <li>• at 220 V</li> </ul>	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"> <li>• at 480 V Rated value</li> <li>• at 600 V Rated value</li> </ul>	2.5 A 2.5 A