



OVERLOAD RELAY 18...25 A FOR MOTOR PROTECTION SIZE S3, CLASS 10 FOR CONTACTOR MOUNTING MAIN CIRCUIT: SCREW CONN. AUX. CIRCUIT: SCREW CONN. MANUAL-AUTOMATIC-RESET

Figure similar

product brand name	SIRIUS
Product designation	thermal overload relay
<b>General technical data:</b>	
Size of contactor can be combined company-specific	S3
Active power loss total typical	16.5 W
Insulation voltage	1 000 V
<ul style="list-style-type: none"> <li>with degree of pollution 3 Rated value</li> </ul>	
Surge voltage resistance Rated value	8 kV
Type of assignment	2
Protection class IP	IP20
<ul style="list-style-type: none"> <li>on the front</li> </ul>	
Type of protection	DMT 98 ATEX G 001
Equipment marking	
<ul style="list-style-type: none"> <li>acc. to DIN EN 61346-2</li> <li>acc. to DIN EN 81346-2</li> </ul>	F F
<b>Ambient conditions:</b>	
Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-20 ... +70 °C -55 ... +80 °C -55 ... +80 °C
Relative humidity during operation	100 %
<b>Main circuit:</b>	

<b>Number of poles for main current circuit</b>	3
<b>Adjustable response value current of the current-dependent overload release</b>	18 ... 25 A
<b>Operating voltage</b>	1 000 V
• at AC-3 Rated value maximum	

#### Auxiliary circuit:

<b>Number of NC contacts</b>	1
• for auxiliary contacts	
<b>Number of NO contacts</b>	1
• for auxiliary contacts	
<b>Number of CO contacts</b>	0
• for auxiliary contacts	
<b>Operating current of the auxiliary contacts at AC-15</b>	3 A 3 A 3 A 3 A 2 A 1 A
• at 24 V	
• at 110 V	
• at 120 V	
• at 125 V	
• at 230 V	
• at 400 V	
<b>Operating current of the auxiliary contacts at DC-13</b>	1 A 0.22 A 0.22 A 0.11 A
• at 24 V	
• at 110 V	
• at 125 V	
• at 220 V	

#### Protective and monitoring functions:

<b>Trip class</b>	CLASS 10
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#### Short-circuit:

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

#### Installation/ mounting/ dimensions:

<b>mounting position</b>	with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back
<b>Mounting type</b>	direct mounting
<b>Height</b>	120 mm
<b>Width</b>	70 mm
<b>Depth</b>	140 mm
<b>Required spacing</b>	0 mm 0 mm
• with side-by-side mounting	
— forwards	
— Backwards	