

OVERLOAD RELAY 50...200 A FOR MOTOR  
 PROTECTION SIZE S6,  
 CLASS 10 MOUNT. ONTO CONT./ STAND-ALONE MAIN  
 CIRCUIT: BAR CONNECTION AUX. CIRCUIT: SCREW  
 CONNECTION MANUAL-AUTOMATIC-RESET

General technical data:		
product brand name		SIRIUS
Product designation		solid-state overload relay
Size of overload relay		S6
Number of poles / for main current circuit		3
Product function / removable terminal for auxiliary and control circuit		Yes
Impulse voltage resistance / rated value	kV	8
Protection class IP		IP20
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe with cover
Installation altitude / at a height over sea level / maximum	m	2,000
Resistance against shock		15g / 11 ms
Ambient temperature		
• during transport	°C	-40 ... +80
• during storage	°C	-40 ... +80
• during operating	°C	-25 ... +60
Relative humidity / during operating phase / maximum	%	100
Electrostatic discharge / according to IEC 61000-4-2		6 kV contact discharge / 8 kV air discharge
Field-bound parasitic coupling / according to IEC 61000-4-3		10 V/m
Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4		2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3
Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5		2 kV (line to earth) corresponds to degree of severity 3
Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5		1 kV (line to line) corresponds to degree of severity 3
Type of protection		PTB 06 ATEX 3001 Ex II (2) GD
Active power loss / total / typical	W	0.05
Size of the contactor / can be combined / company-specific		S6
Main circuit:		
Operating current / of the fuse link / rated value	A	315

Type of assignment		2
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Auxiliary circuit:		
Number of NC contacts / for auxiliary contacts		1
Number of NO contacts / for auxiliary contacts		1
Number of changeover contacts / for auxiliary contacts		0
Design of the fuse link / for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 6 A
Operating current / of the auxiliary contacts		
<ul style="list-style-type: none"> <li>• 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> </ul> </li> <li>• at DC-13 <ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 60 V</li> <li>• at 110 V</li> <li>• at 125 V</li> <li>• at 220 V</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>A</li> </ul>	<ul style="list-style-type: none"> <li>4</li> <li>4</li> <li>4</li> <li>4</li> <li>3</li> <li>2</li> <li>0.55</li> <li>0.3</li> <li>0.3</li> <li>0.11</li> </ul>

Protective and monitoring functions:		
Trip class		CLASS 10
Adjustable response current / of the current-dependent overload release	A	50 ... 200

Installation/ mounting/ dimensions:		
Mounting type		direct mounting / stand-alone installation
mounting position		any
Depth	mm	155
Height	mm	119
Width	mm	120

Connections/ terminals:		
Design of the electrical connection		
<ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control current circuit</li> </ul>		busbar connection screw-type terminals
Type of the connectable conductor cross-section		
<ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded</li> </ul> </li> </ul>		0.5 ... 4 mm <sup>2</sup> , 2x (0.5 ... 2.5 mm <sup>2</sup> )



last change:

Jun 16, 2014