SIEMENS

Product data sheet

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:		

Type of assignement

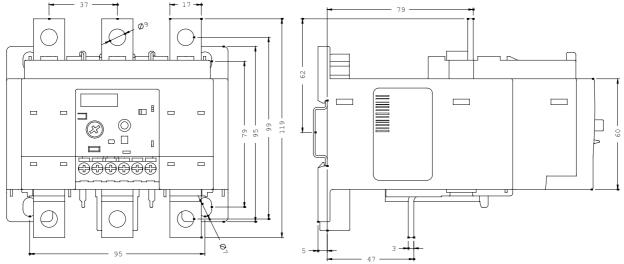
Auxiliary circuit:				
Number of NC contacts / for auxiliary contacts		1		
Number of NO contacts / for auxiliary contacts		1		
Number of changeover contacts / for auxiliary contacts		0		
Design of the fuse link / for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 6 A		
Operating current / of the auxiliary contacts				
• at AC-15				
• at 24 V	А	4		
• at 110 V	А	4		
• at 120 V	А	4		
• at 125 V	А	4		
• at 230 V	А	3		
• at DC-13				
• at 24 V	А	2		
• at 60 V	А	0.55		
• at 110 V	А	0.3		
• at 125 V	А	0.3		
• at 220 V	А	0.11		

Protective and monitoring functions:				
Trip class		CLASS 10		
Adjustable response current / of the current-dependent overload release	А	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 connectionImage: Second S

• with conc	with conductor end processing		0	0.5 2.5 mm², 2x (0.5 1.5 mm²)		
 for AWG condu 	• for AWG conductors / for auxiliary contacts		2	2x (20 14)		
Certificates/ app	provals:					
General Product	t Approval		EMC	For use in hazardou	s locations	
	CSA		С-тіск	Ex ATEX		
Test Certificates	;					
Special Test Certificate	<u>Type Test</u> Certificates/Test <u>Report</u>					
Shipping Approv	val					
ABS		GL	Llovd's Kegister	RINA		
other						
Declaration of Conformity	other	Environmental Confirmations				
Further informa	tion:					
	Downloadcenter (Cat s.com/industrial-contro					
	line ordering system) s.com/industrial-contro					
Cax online genera http://www.siemens						
Service&Support (Manuals, Certificates, Characteristics, FAQs,) http://support.automation.siemens.com/WW/view/en/3RB2056-1FC2/all						
•	•	imension drawings, 3D r lb/cax_en.aspx?mlfb=3RB	•	uit diagrams,)		
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last change:

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