



Reference: 3RB2046-2UB0

OVERLOAD RELAY 12.5...50 A FOR MOTOR PROTECTION SIZE S3, CLASS 20 FOR MOUNTING ONTO CONT. MAIN CIRCUIT: SCREW CONNECTION AUX. CIRCUIT: SCREW CONNECTION MANUAL-AUTOMATIC-RESET

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product brand name	SIRIUS
Product designation	solid-state overload relay
General technical data:	
Size of contactor can be combined company-specific	53
Power loss [W] total typical	0.05 W
Insulation voltage	
with degree of pollution 3 rated value	1 000 V
Surge voltage resistance rated value	8 kV
Protection class IP	
on the front	IP20
Shock resistance	15g / 11 ms
Type of protection	PTB 06 ATEX 3001 Ex II (2) GD
Equipment marking acc. to DIN EN 81346-2	F
Ambient conditions:	
Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	
during operation	-25 +60 °C
during storage	-40 +80 °C
during transport	-40 +80 °C
Relative humidity during operation	100 %
Main circuit:	
Number of poles for main current circuit	3
Adjustable pick-up value current of the current- dependent overload release	12.5 50 A
Operating voltage	
at AC-3 rated value maximum	1 000 V
Auxiliary circuit:	

Number of NC contacts	
for auxiliary contacts	1
Number of NO contacts	
for auxiliary contacts	1
Number of CO contacts	
for auxiliary contacts	0
Operating current of auxiliary contacts at AC-15	
at 24 V	4 A
at 110 V	4 A
at 120 V	4 A
at 125 V	4 A
at 230 V	3 A
Operating current of auxiliary contacts at DC-13	
at 24 V	2 A
at 60 V	0.55 A
at 110 V	0.3 A
at 125 V	0.3 A
at 220 V	0.11 A
Protective and monitoring functions:	
Trip class	CLASS 20E
Short-circuit protection	
Design of the fuse link	
for short-circuit protection of the auxiliary switch required	fuse gL/gG: 6 A
Installation/ mounting/ dimensions:	
Mounting position	any
Mounting type	direct mounting
Height	106 mm
Witd>	70 mm
Depth	124 mm
Required spacing	
with side-by-side mounting	
— forwards	0 m
— Backwards	0 m
— upwards	0 m
— downwards	0 m
— at the side	0 m
for grounded parts	

- forwards0 m- upwards0 m- upwards0 m- at the side6 mm- downwards0 mfor live parts0 m- forwards0 m- backwards0 m- downwards0 m- downwards- ford suilary and control circuit- downwards- solid2x (2.516 mm')- solid0.54 mm ² , 2x (0.515 mm ²)- solid0.525 mm ² , 2x (
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	Electrostatic discharge acc. to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge