

Product data sheet 3RB3026-1RB0

OVERLOAD RELAY 0.1...0.4 A FOR MOTOR PROTECTION SIZE S0, CLASS 10 CONTACTOR ASS. MAIN CIRCUIT: SCREW CONN.

General technical data:		
Product brand name		SIRIUS
Product designation		solid-state overload relay
Protection class IP / frontal/front side		IP20
Insulation voltage / with degree of pollution 3 / rated value	V	690
Altitude of installation site / at a height over sea level / maximum	m	2,000
Ambient temperature		
during storage	°C	-40 80
during transport	°C	-40 80
during the operating phase	°C	-25 60
Relative humidity		
during the operating phase	/ %	95
EMC immunity to interference		
according to IEC 60947-1		corresponds to degree of severity 3
EMC emitted interference		
according to IEC 60947-1		CISPR 11, environment B (residential area)
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
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
Resistance against shock		15g / 11 ms
Impulse voltage resistance / rated value	kV	6
Real loss power / total / typical	W	0.05

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PTB 09 ATEX 3001 Ex II (2) GD
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CLASS 10

Main circuit:		
Number of poles / for main current circuit		3
Operating voltage / at 3 AC / rated value		
• maximum	V	690
Operating current / at AC-3 / at 400 V		
• rated value	Α	0.4
Adjustable response current		
of the current-dependent overload release	Α	0.1 0.4
Service power / for three-phase servomotors / at 400 V / at 50 Hz $$		
for AC three-phase	kW	0.04 0.09
Operating current / of the fuse link		
rated value	Α	4

Auxiliary circuit:		
Contact reliability / of the auxiliary contacts		acceptability for PLC control (17 V, 5 mA)
Number of NC contacts / for auxiliary contact		1
Number of NO contacts / for auxiliary contact		1
Number of change-over switches / for auxiliary contact		0
Operating current / of the auxiliary contacts		
• at AC-15		
• at 24 V	Α	4
• at 110 V	Α	4
• at 120 V	Α	4
• at 125 V	Α	4
• at 230 V	Α	3
• at DC-13		
• at 24 V	Α	2
• at 60 V	Α	1
• at 110 V	Α	0.3
• at 125 V	Α	0.3
• at 220 V	Α	1

Short-circuit:		
Design of the fuse link / for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 6 A
Installation/mounting/dimensions:		
built in orientation		any
Type of fixing/fixation		direct mounting
Width	mm	45
Height	mm	69.7
Depth	mm	83.5
distance, to be maintained, to the ranks assembly		
• forwards	mm	0
• backwards	mm	0
• upwards	mm	0
• downwards	mm	0
• sidewards	mm	0
distance, to be maintained, to earthed part		
• forwards	mm	6
• backwards	mm	0
• upwards	mm	6
• downwards	mm	6
• sidewards	mm	6
distance, to be maintained, conductive elements		
• forwards	mm	6
• backwards	mm	0
• upwards	mm	6
• downwards	mm	6
• sidewards	mm	6
Connections:		
design of the electrical connection		
• for main current circuit		screw-type terminals
for auxiliary and control current circuit		screw-type terminals
Product function / removable terminal for auxiliary and control circuit		Yes
Type of the connectable conductor cross-section		

for main contactsunifilar

• stranded wire

• stranded wire

• with conductor end processing

1x (1 ... 10 mm2), 2x (1 ... 10 mm2)

1x (1 ... 10 mm2), 2x (1 ... 10 mm2)

1x (1 ... 6 mm2), 2 x (1 ... 6 mm2), 1x (10 mm2)

• at AWG-conductors / for main contacts	1x (16 8), 2x (16 8)
• for auxiliary contact	
• solid	1x (0.5 4 mm2), 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2)
• stranded wire	
with wire end processing	1x (0.5 1.5 mm2), 2x (0.5 1.5 mm2), 1x (0.5 2.5 mm2)
• for AWG conductors / for auxiliary contacts	1x (20 14), 2x (20 14)

Certificates/approvals:	
verification of suitability	UL/CSA
• ATEX	Yes

Safety:	
Protection against electrical shock	finger-safe

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Global Industry Mall (Online ordering system)

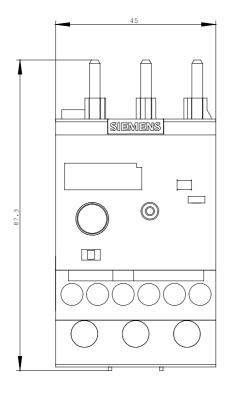
http://www.siemens.com/industrial-controls/mall

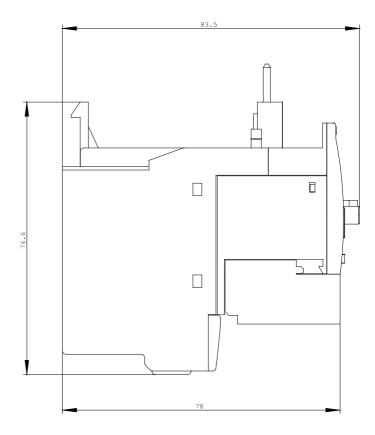
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

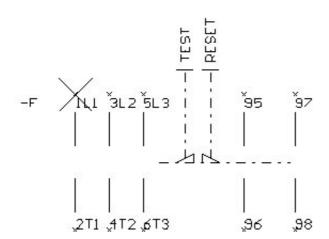
http://support.automation.siemens.com/WW/view/en/3RB3026-1RB0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

 $\underline{ http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RB3026-1RB0}$







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