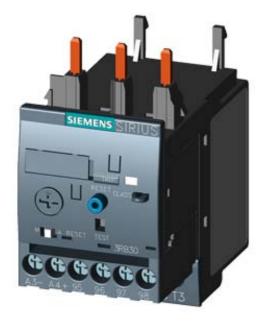
# SIEMENS

## **Product data sheet**

## 3RB3026-2RB0



OVERLOAD RELAY 0.1...0.4 A FOR MOTOR PROTECTION SIZE S0, CLASS 20 CONTACTOR ASS. MAIN CIRCUIT: SCREW CONN. AUX.CIRCUIT: SCREW CONN. MANUAL-AUTOM.-RESET

General technical data:				
Product brand name		SIRIUS		
product designation		solid-state overload relay		
Protection class IP / on the front		IP20		
Insulation voltage / with degree of pollution 3 / rated value	V	690		
Installation altitude / at a height over sea level / maximum	m	2,000		
Ambient temperature				
during storage	°C	-40 80		
during transport	°C	-40 80		
during operating	°C	-25 60		
Relative humidity				
during 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		
Active power loss / total / typical	W	0.05		
Item designation				
<ul> <li>according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> </ul>		F		
according to DIN EN 61346-2		F		
Size of overload relay		SO		
Size of the contactor / can be combined / company-specific		S0		
type of protection		PTB 09 ATEX 3001 Ex II (2) GD		
Type of assignement		2		
Trip class		CLASS 20		
Main circuit:				
Number of poles / for main current circuit		3		
Operating voltage / at AC-3 / rated value				
• maximum	V	690		
Operating current / at AC-3 / at 400 V				
rated value	А	0.4		
Adjustable response current				
• of the current-dependent overload release	А	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	А	4		
Auxiliary circuit:				
Contact reliability / of the auxiliary contacts		acceptability for PLC control (17 V, 5 mA)		
Number of NC contacts / for auxiliary contacts		1		
Number of NO contacts / for auxiliary contacts		1		
Number of change-over switches / for auxiliary contacts		0		
Operating current / of the auxiliary contacts				

• 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	1
• at 110 V	А	0.3
• at 125 V	А	0.3
• at 220 V	А	1

#### Short-circuit:

Design of the fuse link / for short-circuit protection of the	fuse gL/gG: 6 A
auxiliary switch / required	

Installation/mounting/dimensions:			
Built in orientation		any	
Type of mounting		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		
<ul> <li>for auxiliary and control current circuit</li> </ul>		screw-type terminals		
Product function / removable terminal for auxiliary and control circuit	-	Yes		
Type of the connectable conductor cross-section				
for main contacts				
• solid		1x (1	. 10 mm²), 2x (1 10	mm²)
• stranded		1x (1	. 10 mm²), 2x (1 10	mm²)
finely stranded				
with conductor end processing		1x (1	. 6 mm²), 2 x (1 6 m	m²), 1x 10 mm²
<ul> <li>for AWG conductors / for main contacts</li> </ul>		1x (16 .	8), 2x (16 8)	
for auxiliary contacts				
• solid		1x (0.5 4 mm²), 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
finely stranded				
<ul> <li>with conductor end processing</li> </ul>		1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²), 1x (0.5 2.5 mm²)		
<ul> <li>for AWG conductors / for auxiliary contacts</li> </ul>		1x (20 14), 2x (20 14)		
Certificates/approvals:				
Verification of suitability		UL / CSA		
• ATEX		Yes		
General Product Approval			For use in hazardous locations	Test Certificates
coc csA			РВ	Manufacturer
Shipping Approval			other	
ABS GL LRS	RMRS		Manufacturer	
UL/CSA ratings:				
Contact rating designation / for auxiliary contacts / according to UL	B600 / R300			
Reliability figures:				
Protection against electrical shock		finger-safe		

Further information:

#### Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

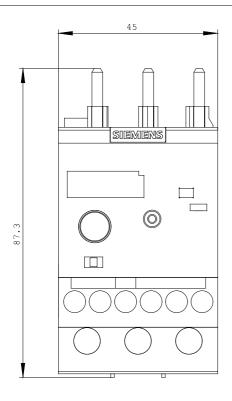
http://www.siemens.com/industrial-controls/mall

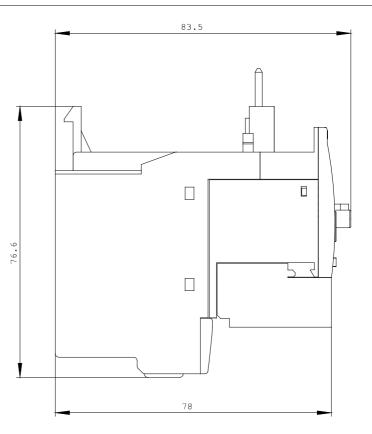
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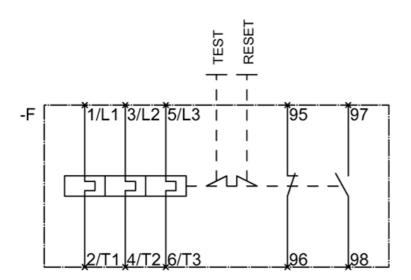
http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RB3026-2RB0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3RB3026-2RB0







last change:

Oct 24, 2011