SIEMENS

Data sheet

3RB3026-1QB0



OVERLOAD RELAY 6...25 A FOR MOTOR PROTECTION SIZE S0, CLASS 10 CONTACTOR ASS. MAIN CIRCUIT: SCREW CONN. AUX.CIRCUIT: SCREW CONN. MANUAL-AUTOM.-RESET

product brand name	-	SIRIUS		
Product designation	-	solid-state overload relay		
General technical data:				
Active power loss total typical	W	1.2		
Insulation voltage	-			
 with degree of pollution 3 Rated value 	V	690		
Shock resistance	-			
• acc. to IEC 60068-2-27		15g / 11 ms		
Vibration resistance		1-6 Hz, 15 mm; 6-500 Hz, 20 m/s²; 10 cycles		
Surge voltage resistance Rated value	kV	6		
Size of contactor can be combined company-specific	_	S0		
Type of assignment	-	2		
Protection class IP	-			
• on the front		IP20		
• of the terminal		IP20		
Type of protection	-	II (2) G [Ex e] [Ex d] [Ex px] II (2) D [Ex t] [Ex p]		
Equipment marking	-			
• acc. to DIN EN 61346-2		F		
• acc. to DIN EN 81346-2		F		
Main circuit:				
Number of poles for main current circuit		3		
Adjustable response value current of the current-	А	6 25		
dependent overload release				
Operating voltage				
 at AC-3 Rated value maximum 	V	690		

Operating current • at AC-3 - at 400 V Rated value A 25 Auxiliary contacts • for auxiliary contacts • at 24 V • at 120 V • at 220 V • at 24 V • at 220 V • a	Operating frequency Rated value	Hz	50 60			
− at 400 V Rated value A 25 Auxiliary circuit: 1 Number of NC contacts 1 • for auxiliary contacts 1 - Note for contactor disconnection Number of NO contacts 1 - Note for message "tripped" Number of CO contacts 0 Design of the auxiliary contacts 0 Design of the auxiliary contacts 0 Operating current of the auxiliary contacts at AC-15 0 • at 120 V A 4 • at 120 V A 4 • at 24 V A 4 • at 230 V A 4 • at 24 V A 2 • at 24 V A 2 • at 230 V A 3 Operating current of the auxiliary contacts at DC-13 0.3 • at 24 V A 2 • at 24 V A 2 • at 230 V A 0.3 • at 220 V A 0.3 • at 220 V A 0.3 • bign of the auxiliary contacts acc. to UL B600 / R300 Short-circuit protection of the auxiliary switch Fuse gG: 63 A • for short-circuit protection of the auxiliary switch fuse gG: 63 A <t< td=""><td>Operating current</td><td>-</td><td></td></t<>	Operating current	-				
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Number of NC contacts 1 - Note 1 Number of NO contacts 1 of ro auxiliary contacts 1 - Note for contactor disconnection Number of NO contacts 1 - Note for message "tripped" Number of CO contacts 0 Design of the auxiliary sortacts at AC-15 4 • at 24 V A • at 110 V A • at 125 V A • at 230 V A • at 24 V A • at 24 V A • at 25 V A • at 24 V A • at 25 V A • at 24 V A • at 25 V A • at 20 V A • at 20 V A Design of the auxiliary contacts acc. to UL B600 / R300 <td colspa<="" td=""><td>— at 400 V Rated value</td><td>А</td><td colspan="3">25</td></td>	<td>— at 400 V Rated value</td> <td>А</td> <td colspan="3">25</td>	— at 400 V Rated value	А	25		
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• at 230 V A 3 Operating current of the auxiliary contacts at DC-13 A 2 • at 24 V A 0.55 • at 60 V A 0.55 • at 10 V A 0.3 • at 220 V A 0.3 • at 220 V A 0.11 Protective and monitoring functions: Trip class CLASS 10 Design of the overload circuit breaker electronic UL/CSA ratings: Contact rating of the auxiliary contacts acc. to UL B600 / R300 Short-circuit: — required Fuse gG: 63 A • for short-circuit protection of the main circuit required Fuse gG: 64 A • for short-circuit protection of the auxiliary switch required fuse gG: 6 A	• at 120 V	А	4			
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• at 220 VA0.11Protective and monitoring functions:CLASS 10Trip classCLASS 10Design of the overload circuit breakerelectronicUL/CSA ratings:State of the auxiliary contacts acc. to ULB600 / R300Short-circuit:Endet of the fuse linkFuse gG: 63 A• for short-circuit protection of the main circuit — requiredFuse gG: 63 A• for short-circuit protection of the auxiliary switch requiredFuse gG: 63 AInstallation/ mounting/ dimensions:any	● at 110 V	А	0.3			
• at 220 VA0.11Protective and monitoring functions:Trip classCLASS 10Design of the overload circuit breakerelectronicUL/CSA ratings:Statistical and the auxiliary contacts acc. to ULB600 / R300Short-circuit:Every statistical and the main circuit - requiredFuse gG: 63 A fuse gG: 6 AInstallation/ mounting/ dimensions:any	● at 125 V	А	0.3			
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Short-circuit: Design of the fuse link • for short-circuit protection of the main circuit — required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions: mounting position any	UL/CSA ratings:					
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required Installation/ mounting/ dimensions: mounting position any	— required		Fuse gG: 63 A			
Installation/ mounting/ dimensions: mounting position any	 for short-circuit protection of the auxiliary switch 		fuse gG: 6 A			
mounting position any	required					
	Installation/ mounting/ dimensions:					
Mounting type direct mounting	mounting position		any			
	Mounting type		direct mounting			

Height	mm	87
Width	mm	45
Depth	mm	84
Required spacing	_	
 with side-by-side mounting 		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— downwards	mm	0
— at the side	mm	0
 for grounded parts 		
— forwards	mm	6
— Backwards	mm	0
— upwards	mm	6
— at the side	mm	6
— downwards	mm	6
• for live parts		
— forwards	mm	6
— Backwards	mm	0
— upwards	mm	6
— downwards	mm	6
— at the side	mm	6
Connections/ Terminals:		
Type of electrical connection		
 for main current circuit 		screw-type terminals
 for auxiliary and control current circuit 		screw-type terminals
Arrangement of electrical connectors for main current circuit		Top and bottom
Product function	_	
 removable terminal for auxiliary and control circuit 		Yes
Type of connectable conductor cross-section	_	
• for main contacts		
— single or multi-stranded		1x (1 10 mm²), 2x (1 10 mm²)
— finely stranded with core end processing		1x (1 6 mm²), 2 x (1 6 mm²), 1x 10 mm²
• for AWG conductors for main contacts		1x (16 8), 2x (16 8)
 for auxiliary contacts 		
— single or multi-stranded		1x (0,5 4 mm²), 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
— finely stranded with core end processing		1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²), 1x (0.5 2.5 mm²)

1x (20 ... 14), 2x (20 ... 14)

Safety related data:				
Protection against electrical shock		finger-safe		
Mechanical data:				
Size of overload relay		SO		
Communication/ Protocol:				
Protocol is supported				
IO-Link protocol		No		
Type of voltage supply via input/output link master		No		
Ambient conditions:				
Installation altitude at height above sea level maximum	m	2 000		
Ambient temperature				
 during operation 	°C	-25 +60		
 during storage 	°C	-40 +80		
 during transport 	°C	-40 +80		
Relative humidity during operation	%	95		
Electromagnetic compatibility:				
EMC emitted interference				
• acc. to IEC 60947-1		CISPR 11, environment B (residential area)		
EMI immunity acc. to IEC 60947-1		corresponds to degree of severity 3		
Conducted interference due to burst acc. to IEC 61000-4-4		2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3		
Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5		2 kV (line to earth) corresponds to degree of severity 3		
Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5		1 kV (line to line) corresponds to degree of severity 3		
Field-bound parasitic coupling acc. to IEC 61000-4-3		10 V/m		
Electrostatic discharge acc. to IEC 61000-4-2		6 kV contact discharge / 8 kV air discharge		
Display:				
Display version				
• for switching status Slide switch				
Certificates/ approvals:				

General Product	t Approval			EMC	For use in hazardous locations
	CSA	EHC		С-ТІСК	K ATEX
Declaration of Conformity	Test Certificates	3	Shipping Appro	oval	
EG-Konf.	<u>Type Test</u> Certificates/Test <u>Report</u>	Special Test Certificate	ABS	BUREAU VERITAS	GL
Shipping Approv	/al	other			
Lloyd's Register LRS	RINA	Environmental Confirmations	Confirmation		

Further information

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

Industry Mall (Online ordering system) http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RB30261QB0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RB30261QB0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RB30261QB0&lang=en



