SIEMENS

Product data sheet

3RV2011-1BA10



CIRCUIT-BREAKER SZ S00, FOR MOTOR PROTECTION, CLASS 10, A-REL. 1.4...2A, N-RELEASE 26A, SCREW CONNECTION, STANDARD SW. CAPACITY

General technical data:			
Product brand name		SIRIUS	
product designation		3RV2 circuit breaker	
Size of the circuit-breaker		S00	
Trip class		CLASS 10	
Protection class IP / on the front		IP20	
Degree of pollution		3	
Installation altitude / at a height over sea level / maximum	m	2,000	
Ambient temperature			
during storage	°C	-50 80	
during operating	°C	-20 60	
during transport	°C	-50 80	
Resistance against shock		25g / 11 ms	
Impulse voltage resistance / rated value	kV	6	
Insulation voltage / rated value	V	690	
Active power loss / total / typical	W	6	
Item designation			
 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		F	
according to DIN EN 61346-2		F	

• of the nain contacts / typical100,000• of the auxiliary contacts / typical100,000Type of the driving mechanism / notor driveNoDesign of the operating mechanismNo• overload protectionYes• phase disturbance recognitionYes• overload protectionNo• undivorbage release mechanismNo• at do V rade valueNo• at do V rade valueNo <td< th=""><th>Mechanical operating cycles as operating time</th><th>_</th><th></th></td<>	Mechanical operating cycles as operating time	_	
Type of the driving mechanism / motor drive No Design of the operating mechanism selector switch Product function Selector switch • overload protection Yes • hase disturbance recognition Yes Yes Product component No • undervoltage release mechanism No No • tip indicator No No Product extension / optional / motor drive No No Barrie Creatitie No No Operating current / at AC-3 / rated value / maximum V 690 Operating current / at AC-3 / rated value W 750 • at 400 V / rated value W 750 • at 500 V / rated value W 750 • at 600 V / rated value W 750 • at 600 V / rated value M 750 • at 600 V / rated value M 750 • at 600 V / rated value M 750 • at 600 V / rated value M 100 • of the non-delayed short-circuit	of the main contacts / typical		100,000
Design of the operating mechanism selector switch Product function Yes • verificad protection Yes • hase disturbance recognition Yes Product component Yes • auxiliary switch No • undervoltage release mechanism No • trip indicator No Product extension / optional / motor drive No Main circuit: 3 Number of poles / for main current circuit 3 Operating outrage / at AC-3 / rated value / maximum V 690 Operating outrage / at AC-3 / rated value / maximum V 690 operating vortage / at AC-3 / rated value W 750 • at 400 V / rated value W 750 • at 500 V / rated value W 750 • at 500 V / rated value W 750 • at 600 V / rated value W 70 • of the non-delayed short-circuit release A 26 • of the non-delayed short-circuit release A 2 • of the non-delayed short-circuit release A 2	of the auxiliary contacts / typical		100,000
Product function Yes • overload protection Yes • phase disturbance recognition Yes Product component Yes • auxiliary switch No • undervoltage release mechanism No • tip indicator No Product extension / optional / motor drive No Main circuit: 3 Number of poles / for main current circuit 3 Operating voltage / at AC-3 / rated value / maximum V Service power / at AC-3 - • at 400 V / rated value W • at 400 V / rated value W • at 600 V / rated value W • of the current of electrical connectors / for main current circuit Top and bottom Arrangement of electrical connectors / for main current circuit A Auxiliary circuit: Yes Auxiliary circuit: Yes Product extension / auxiliary contacts / instantaneous swi	Type of the driving mechanism / motor drive		No
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Product extension / auxiliary switch Yes Number of NC contacts / for auxiliary contacts / instantaneous switching 0 Number of NO contacts / for auxiliary contacts / instantaneous switching 0 Number of NO contacts / for auxiliary contacts / instantaneous switching 0 Number of change-over switches / for auxiliary contacts 0 Inputs/ Outputs: 0	Continuous current / rated value	А	2
Number of NC contacts / for auxiliary contacts / instantaneous switching 0 Number of NO contacts / for auxiliary contacts / instantaneous switching 0 Number of change-over switches / for auxiliary contacts 0 Inputs/ Outputs: 0	Auxiliary circuit:		
switching Image: Switching Number of NO contacts / for auxiliary contacts / instantaneous switching 0 Number of change-over switches / for auxiliary contacts 0	Product extension / auxiliary switch		Yes
switching Image: Switches / for auxiliary contacts Number of change-over switches / for auxiliary contacts 0	-		0
Inputs/ Outputs:	-		0
	Number of change-over switches / for auxiliary contacts		0
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Number of digital inputs 0	Number of digital inputs		0

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Type of mounting screw and snap-on mounting onlo 35 mm standard mounting rail according to DIN EN 60715 Width nm 45 Height nm 97 Depth om 91 Distance, to be maintained, to the ranks assembly mm 0 • forwards nm 0 • downwards nm 50	Installation/mounting/dimensions:		
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• removable terminal for main circuitNo• removable terminal for auxiliary and control circuitNoDesign of the electrical connectionNo• for main current circuitScrew-type terminalsType of the connectable conductor cross-sectionImage: Screw-type terminals	Connections:		
• removable terminal for auxiliary and control circuitNoDesign of the electrical connection • for main current circuitSerew-type terminals• for main current circuitSerew-type terminalsType of the connectable conductor cross-sectionSerew-type terminals	Product function		
Design of the electrical connection screw-type terminals • for main current circuit screw-type terminals Type of the connectable conductor cross-section screw-type terminals	removable terminal for main circuit		No
• for main current circuit screw-type terminals Type of the connectable conductor cross-section Image: Content of the connectable conductor cross-section	removable terminal for auxiliary and control circuit		No
Type of the connectable conductor cross-section	Design of the electrical connection		
	for main current circuit		screw-type terminals
for main contacts	Type of the connectable conductor cross-section		
	for main contacts		

• solid			2x (0.7	5 2.5 mm²), 2x (1	4 mm²)
 stranded 			2x (0.7	5 2.5 mm²), 2x 4	mm²
 finely stranded 					
 with conductor end processir 	ng		2x (0.5	1.5 mm²), 2x (0.	75 2.5 mm²)
 for AWG conductors / for main con 	itacts		2x (18	14), 2x 12	
Certificates/approvals:					
Verification of suitability			CE / UI	L/CSA	
für Staubexplosionsschutz für Zon	e 21/22		no		
 for gas explosion protection for zor 	ne 1/2		no		
General Product Approval				For use in hazar	dous locations
cqc CSA	ROSTEST			<u>DEKRA EXAM,</u> <u>DMT</u>	
Test Certificates					
Manufacturer other					
Shipping Approval					
ABS GL	Lloyd's Register LRS	PRS		RINA	RMRS
other					
Manufacturer other	DE				
UL/CSA ratings					
yielded mechanical performance (hp)				
 for single-phase squirrel cage motor 	ors				
• at 230 V / rated value		hp	0.125		
 for three-phase squirrel cage moto 	rs				
• at 460/480 V / rated value		hp	0.75		
• at 575/600 V / rated value		hp	1		
Operating current (FLA) / for three-p	hase squirrel cage motors				
• at 480 V / rated value		А	1.6		
• at 600 V / rated value		А	1.7		
Safetv:					

Salety:		
B10 value / with high demand rate		
according to SN 31920		50,000
T1 value / for proof test interval or service life		
according to IEC 61508	а	10

Failure rate (FIT value) / with low demand rate		
according to SN 31920	FIT	50
Proportion of dangerous failures		
with low demand rate / according to SN 31920	%	40
 with high demand rate / according to SN 31920 	%	40
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

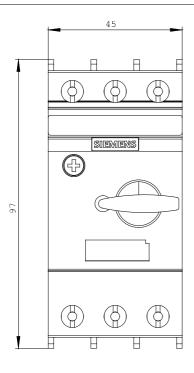
CAx-Online-Generator

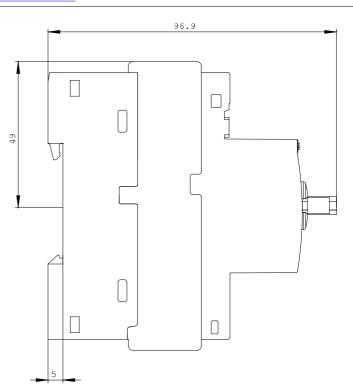
http://www.siemens.com/cax

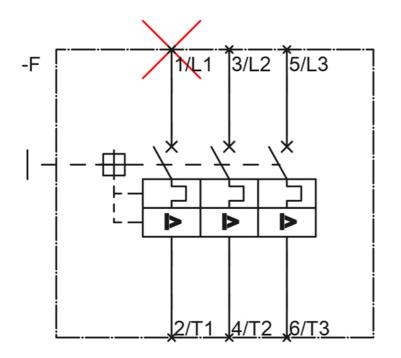
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RV2011-1BA10/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2011-1BA10







last change:

Oct 24, 2011