SIEMENS

Product data sheet 3RV2011-0JA15



CIRCUIT-BREAKER SZ S00, FOR MOTOR PROTECTION, CLASS 10, A-REL. 0.7...1A, N-RELEASE 13A, SCREW CONNECTION, STANDARD SW. CAPACITY, W. TRANSVERSE AUX. SWITCH 1NO+1NC

General technical data:	
product brand name	SIRIUS
Product designation	3RV2 circuit breaker
Size of the circuit-breaker	S00
Size of contactor / can be combined / company-specific	S0
Number of poles / for main current circuit	3
Product function	
Short circuit protection	Yes
overload protection	Yes
Phase failure detection	Yes
System protection	Yes
 motor protection 	Yes
 motor protection with overload relay function 	No
starter protection	No
Transformer protection	No
Disconnector functionality	Yes
 Main switches with supply disconnect function and EM-STOP switches 	No
Design of the operating mechanism	selector switch
Product component	
Auxiliary switch	Yes

undervoltage release		No		
Trip indicator		No		
Product expansion				
Auxiliary switch		Yes		
optional / motor drive		No		
Insulation voltage / with degree of pollution 3 / Rated value	V	690		
Surge voltage resistance / Rated value	kV	6		
Protection class IP				
of the terminal		IP20		
• on the front		IP20		
Protection against electrical shock		finger-safe		
Installation altitude / at height above sea level / maximum	m	2,000		
Relative humidity				
during operation	%	10 95		
Ambient temperature				
during transport	°C	-50 +80		
during storage	°C	-50 +80		
during operation	°C	-20 + 60		
Shock resistance / acc. to IEC 60068-2-27		25g / 11 ms		
Usage category				
• acc. to IEC 60947-4-1		AC-3		
Active power loss / total / typical	W	6		
Main circuit:				
Operating current / Rated value	A	1		
Operating voltage / Rated value	V	690		
Type of voltage / for main current circuit	_	AC/DC		
Operating frequency	_			
Rated value	Hz	50 60		
Operating current / at AC-3 / at 400 V / Rated value	Α	1		
Hilfsstromkreis				
Design of the fuse link / for short-circuit protection of the auxiliary switch / required		Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)		
Protective and monitoring functions:				
Type of protection		Increased safety		
Certificate of suitability / ATEX		Yes		
Design of the overload circuit breaker		thermal		
Adjustable response value current / of the current-dependent overload release	А	0.7 1		

Trip class		CLASS 10		
Design of the short-circuit trip		magnetic		
Response value current / of the instantaneous short-circuit release	А	13		
Operational short-circuit current breaking capacity (lcs) / with AC				
• at 240 V / Rated value	kA	100		
• at 400 V / Rated value	kA	100		
• at 500 V / Rated value	kA	100		
• at 690 V / Rated value	kA	100		
Maximum short-circuit current breaking capacity (Icu)				
• with AC / at 240 V / Rated value	kA	100		
• with AC / at 400 V / Rated value	kA	100		
• with AC / at 500 V / Rated value	kA	100		
• with AC / at 690 V / Rated value	kA	100		
Design of the fuse link / for IT network / for short-circuit protection of the main circuit				
• at 500 V		gL/gG 10 A		
• at 690 V		gL/gG 10 A		
Breaking capacity short-circuit current (lcn)				
• with 1 current path / for DC / at 150 V / Rated value	kA	10		
• with 2 current paths in series / for DC / at 300 V / Rated value	kA	10		
• with 3 current paths in series / for DC / at 450 V / Rated value	kA	10		
Installation/ mounting/ dimensions:				
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715		
mounting position		any		
Depth	mm	96		
Height	mm	97		
Width	mm	45		
Connections/ terminals:				
Arrangement of electrical connectors / for main current circuit		Top and bottom		
Design of the electrical connection / for main current circuit		screw-type terminals		
Type of connectable conductor cross-section				
• for main contacts				
single or multi-stranded		2x (0,75 2,5 mm²), 2x 4 mm²		
• finely stranded				
a with care and proceeding		0v (0 F 1 F mm²) 0v (0 7F 0 F mm²)		

• with core end processing

• for AWG conductors / for main contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (18 ... 14), 2x 12

Design of the electrical connection / for auxiliary and control current circuit	screw-type terminals	
Type of connectable conductor cross-section		
for auxiliary contacts		
• single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)	
• finely stranded		
• with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
• for AWG conductors / for auxiliary contacts	2x (20 16), 2x (18 14)	

UL/CSA ratings:			
Operating voltage / acc. to UL 60947 / Rated value	V	600	
Full-load current (FLA) / for three-phase AC motor			
• at 480 V / Rated value	Α	1	
• at 600 V / Rated value	Α	1	
Contact rating / of the auxiliary contacts / acc. to UL		C300 / R300	

Certificates/ approvals:

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General Product	Approval		Declaration of Conformity	Test Certificates	
()	EHC	UL UL	EG-Konf.	Special Test Certificate	Type Test Certificates/Test Report

Shipping Approval













Shipping Approval



Confirmation

other



other

Environmental Confirmations

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

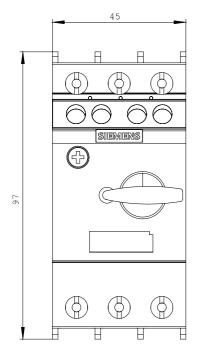
http://www.siemens.com/cax

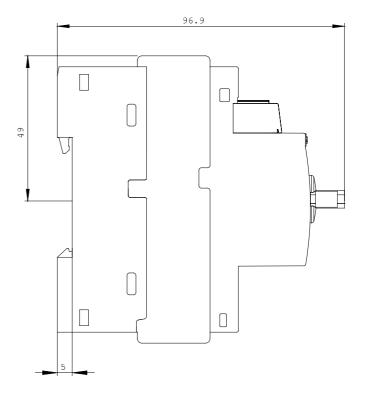
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RV2011-0JA15/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2011-0JA15





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