SIEMENS

Product data sheet

General technical data:

Product brand name

3RV2011-0JA25



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

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

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	5.1
Item designation		
 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		F
according to DIN EN 61346-2		F

Mechanical operating cycles as operating time		
of the main contacts / typical		100,000
 of the auxiliary contacts / typical 		100,000
Design of the auxiliary switch		transverse
Type of the driving mechanism / motor drive		No
Design of the operating mechanism		selector switch
Product function		
overload protection		Yes
phase disturbance recognition		Yes
Product component	-	
auxiliary switch		Yes
undervoltage release mechanism		No
• trip indicator		No
Product extension / optional / motor drive		No
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	A	0.85
Service power / at AC-3		
trace period , at the e	W	250
• at 500 V / rated value	W	370
at 690 V / rated value	W	550
Frequency of operation / at AC-3 / according to IEC 60947-6-2 /	1/h	15
maximum		
Arrangement of electrical connectors / for main current circuit	_	Top and bottom
Adjustable response current		
 of the non-delayed short-circuit release 	А	13 13
of the current-dependent overload release	А	0.7 1
Service power / at AC-3 / at 230 V / rated value	W	180
Continuous current / rated value	А	1
Auxiliary circuit:		
Product extension / auxiliary switch		Yes
Number of NC contacts / for auxiliary contacts / instantaneous switching		1
Number of NO contacts / for auxiliary contacts / instantaneous switching		1
Number of change-over switches / for auxiliary contacts		0
Operating current / of the auxiliary contacts		
• at AC-12 / maximum	А	2.5

• at AC-15		
• at 24 V	А	2
• at 230 V	А	0.5
• at DC-13		
• maximum	А	1
• at 24 V	А	1
• at 60 V	А	0.15

0

Inputs/ Outputs:

Number of digital inputs

Short-circuit:		
Breaking capacity limit short-circuit current (lcu)		
• at 400 V / rated value	А	100,000
• at 500 V / rated value	А	100,000
• at 690 V / rated value	А	100,000
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)
Design of the overcurrent release and short-circuit release		thermomagnetic

Installation/mounting/dimensions:		
Built in orientation		any
Type of mounting		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
Width	mm	45
Height	mm	109
Depth	mm	91
Distance, to be maintained, to the ranks assembly		
• forwards	mm	0
backwards	mm	0
• upwards	mm	50
downwards	mm	50
• sidewards	mm	0
Distance, to be maintained, to earthed part		
• forwards	mm	0
backwards	mm	0
• upwards	mm	50
• sidewards	mm	30
downwards	mm	50
Distance, to be maintained, conductive elements		
• forwards	mm	0
backwards	mm	0

• upwards	mm	50
downwards	mm	50
• sidewards	mm	30
Connections:		
Product function		
 removable terminal for main circuit 		No
 removable terminal for auxiliary and control circuit 		No
Design of the electrical connection		
for main current circuit		spring-loaded terminals
 for auxiliary and control current circuit 		spring-loaded terminals
Type of the connectable conductor cross-section		
for main contacts		
• solid		2x (0.5 4 mm2)
• stranded		2x (0.5 4 mm²)
finely stranded		
with conductor end processing		2 x (0.5 2.5 mm2)
 without conductor final cutting 		2x (0.5 2.5 mm2)
 for AWG conductors / for main contacts 		2x (20 12)
for auxiliary contacts		
• solid		2x (0.5 2.5 mm2)
finely stranded		
with conductor end processing		2x (0.5 1.5 mm2)
without conductor final cutting		2 x (0.5 1.5 mm2)
 for AWG conductors / for auxiliary contacts 		2x (20 14)
Certificates/approvals:		
Verification of suitability		CE / UL / CSA
für Staubexplosionsschutz für Zone 21/22		no
 for gas explosion protection for zone 1/2 		no

ROSTEST			
		<u>DEKRA EXAM,</u> <u>DMT</u>	
Test Certificates			
Manufacturer other			
Shipping Approval			
ABS GL LRS	PRS	RINA	RMRS
other			
Manufacturer other			
L/CSA ratings			
elded mechanical performance (hp)			
 for three-phase squirrel cage motors 			
• at 575/600 V / rated value	hp	0.5	
perating current (FLA) / for three-phase squirrel cage motor	s		
• at 600 V / rated value	А	0.9	
ontact rating designation / for auxiliary contacts / according L	j to	C300 / R300	
afety:			
10 value / with high demand rate			
according to SN 31920		50,000	
1 value / for proof test interval or service life			
according to IEC 61508	а	10	
ailure rate (FIT value) / with low demand rate			
according to SN 31920	FIT	50	
roportion of dangerous failures			
• with low demand rate / according to SN 31920	%	40	
• with high demand rate / according to SN 31920	%	40	
rotection against electrical shock		finger-safe	
urther information:			
formation- and Downloadcenter (Catalogs, Brochures,) ttp://www.siemens.com/industrial-controls/catalogs			

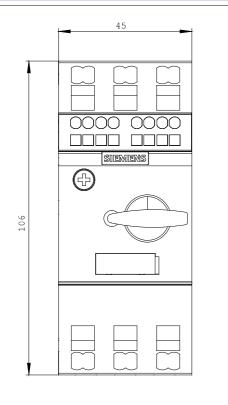
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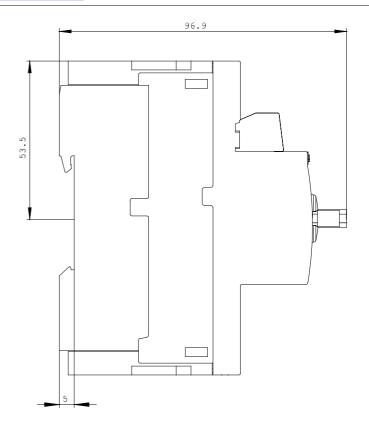
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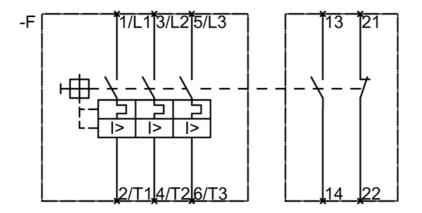
http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RV2011-0JA25/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2011-0JA25







last change:

