SIEMENS

Product data sheet

3RV2321-4NC10



CIRCUIT-BREAKER SZ S0, FOR STARTER COMBINATION, RATED CURRENT 28A, N-RELEASE 364A, SCREW CONNECTION, STANDARD SW. CAPACITY

General technical data:		
Product brand name		SIRIUS
product designation		3RV2 circuit breaker
Size of the circuit-breaker		S0
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	9.9
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
Type of the driving mechanism / motor drive	_	No
Design of the operating mechanism	_	selector switch
Product function	_	
overload protection		No
phase disturbance recognition		No
Product component	_	
auxiliary switch		No
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	А	22
Service power / at AC-3	_	
• at 400 V / rated value	W	11,000
• at 500 V / rated value	W	18,500
• at 690 V / rated value	W	22,000
Frequency of operation / at AC-3 / according to IEC 60947-6-2 / maximum	1/h	15
Arrangement of electrical connectors / for main current circuit	_	Top and bottom
Adjustable response current	_	
 of the non-delayed short-circuit release 	А	364 364
Service power / at AC-3 / at 230 V / rated value	W	7,500
Continuous current / rated value	А	32
Auxiliary circuit:		
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 change-over switches / for auxiliary contacts		0
Inputs/ Outputs:		
Number of digital inputs		0
Short-circuit:		
Breaking capacity limit short-circuit current (Icu)		

• at 400 V / rated value	А	55,000
• at 500 V / rated value	А	10,000
• at 690 V / rated value	А	4,000
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	97
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		screw-type terminals
Type of the connectable conductor cross-section		
• for main contacts		
• solid		2x (1 2.5 mm2), 2x (2.5 10 mm2)
stranded		2x (1 2.5 mm²), 2x (2.5 10 mm²)

 finely strand 	ed				
• with cond	uctor end processing			2x (1 2.5 mm2), 2x (2.5 .	6 mm2), 1x 10 mm2
• for AWG condu	ictors / for main contac	S		2x (16 12), 2x (14 8)	
Certificates/app	rovals:				
Verification of suit				CE / UL / CSA	
 für Staubexplos 	sionsschutz für Zone 27	/22		no	
 for gas explosion 	on protection for zone 1	/2		no	
General Product	Approval		Test Certific	cates	
COC	<u>ROSTEST</u>		Manufacture	<u>r</u>	
Shipping Approv	val				
ABS	GL	Lloyd's Register	PRS	RINA	RMRS
other					
Manufacturer	other	VE			

UL/CSA ratings		
yielded mechanical performance (hp)		
 for single-phase squirrel cage motors 		
• at 110/120 V / rated value	hp	2
• at 230 V / rated value	hp	5
 for three-phase squirrel cage motors 		
• at 200/208 V / rated value	hp	7.5
• at 220/230 V / rated value	hp	10
• at 460/480 V / rated value	hp	20
Operating current (FLA) / for three-phase squirrel cage motors	-	
• at 480 V / rated value	А	27
Safety:		
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

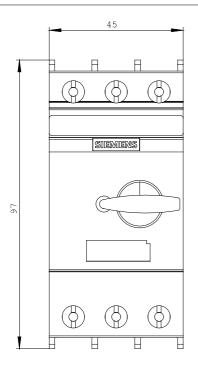
http://www.siemens.com/cax

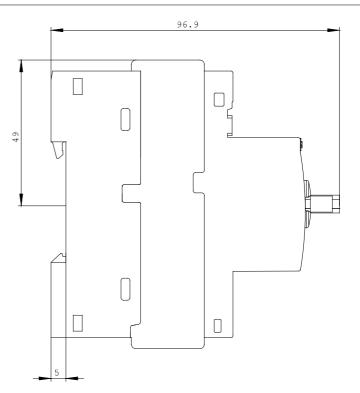
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

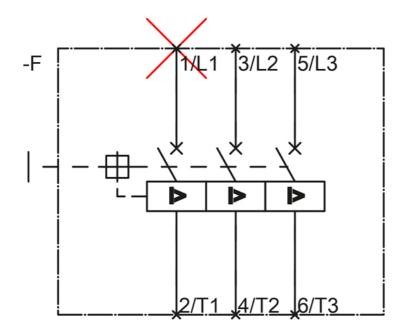
http://support.automation.siemens.com/WW/view/en/3RV2321-4NC10/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2321-4NC10







last change:

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