



CIRCUIT-BREAKER SZ S00,
FOR MOTOR PROTECTION, CLASS 10,
A-RELEASE 2.8...4A, N-RELEASE 52A,
SCREW CONNECTION, STANDARD SW. CAPACITY

General technical data:

product brand name		SIRIUS
Product designation		3RV2 circuit breaker
Size of the circuit-breaker		S00
Number of poles / for main current circuit		3
Product function		
• removable terminal for auxiliary and control circuit		No
• overload protection		Yes
• phase disturbance recognition		Yes
• short-circuit to earth recognition		No
Product component		
• auxiliary switch		No
• undervoltage release mechanism		No
• trip indicator		No
Product extension		
• auxiliary switch		Yes
• optional / motor drive		No
Impulse voltage resistance / rated value	kV	6
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe

Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature		
• during transport	°C	-50 ... +80
• during storage	°C	-50 ... +80
• during operating	°C	-20 ... +60
Active power loss / total / typical	W	6.3














Main circuit:		
Operating voltage / rated value	V	690
Service power / at AC-3		
• at 400 V / rated value	W	1,500
• at 500 V / rated value	W	2,200
• at 690 V / rated value	W	3,000
Operating current / at AC-3 / at 400 V / rated value	A	4
Mechanical operating cycles as operating time / of the main contacts / typical		100,000
Frequency of operation / with AC-3 / maximum	1/h	15

Auxiliary circuit:		
Number of changeover contacts / for auxiliary contacts		0
Mechanical operating cycles as operating time / of the auxiliary contacts / typical		100,000

Protection function:		
Trip class		CLASS 10
Adjustable response current / of the current-dependent overload release	A	2.8 ... 4

Safety:		
Proportion of dangerous failures		
• with high demand rate / according to SN 31920	%	40
• with low demand rate / according to SN 31920	%	40
Failure rate (FIT value) / with low demand rate / according to SN 31920	FIT	50
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	a	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:		
Arrangement of electrical connectors / for main current circuit		Top and bottom
Design of the electrical connection <ul style="list-style-type: none"> for main current circuit 		screw-type terminals
Type of the connectable conductor cross-section <ul style="list-style-type: none"> for main contacts <ul style="list-style-type: none"> finely stranded <ul style="list-style-type: none"> with conductor end processing for AWG conductors / for main contacts 		2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (18 ... 14), 2x 12
UL/CSA ratings:		
yielded mechanical performance (hp) <ul style="list-style-type: none"> for single-phase squirrel cage motors <ul style="list-style-type: none"> at 110/120 V / rated value at 230 V / rated value for three-phase squirrel cage motors <ul style="list-style-type: none"> at 200/208 V / rated value at 220/230 V / rated value at 460/480 V / rated value at 575/600 V / rated value 	hp hp hp hp hp hp	0.125 0.333 0.75 0.75 2 3
Full-load current (FLA) / for 3-phase motor <ul style="list-style-type: none"> at 480 V / rated value at 600 V / rated value 	A A	3.4 3.9
Certificates/approvals:		
General Product Approval	Declaration of Conformity	Test Certificates
 CCC   UL  EG-Konf.	Special Test Certificate	Type Test Certificates/Test Report
Shipping Approval		
 ABS  BUREAU VERITAS  DNV  GL  LRS  PRS		
Shipping Approval	other	
 RINA  RMRS	Confirmation  VDE	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/industrial-controls/mall>

Cax online generator:

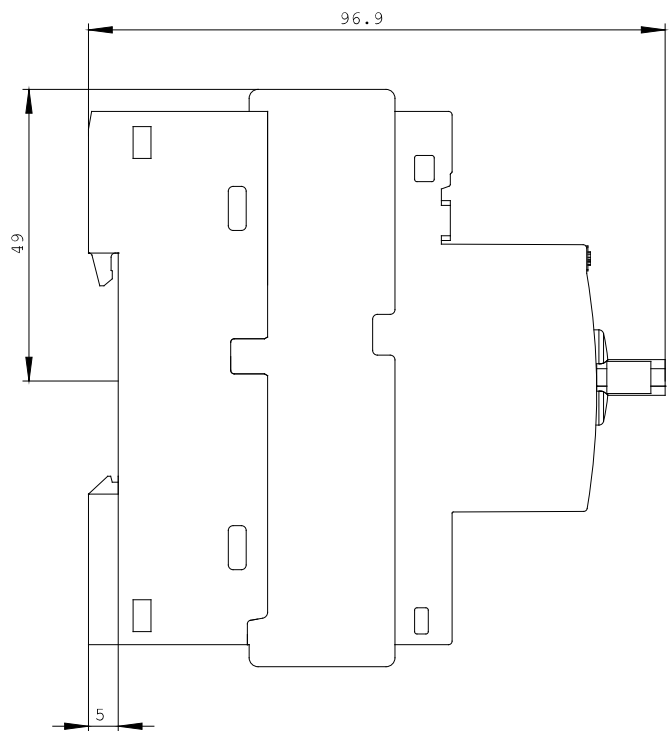
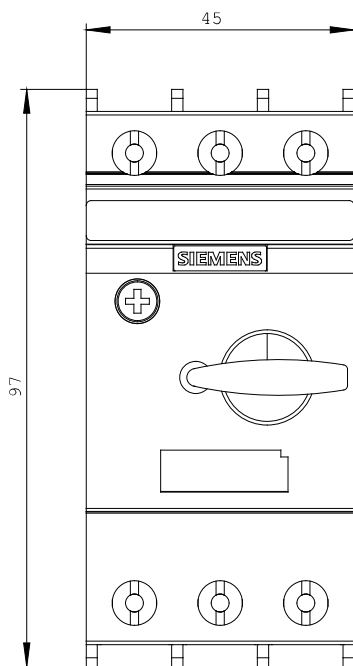
<http://www.siemens.com/cax>

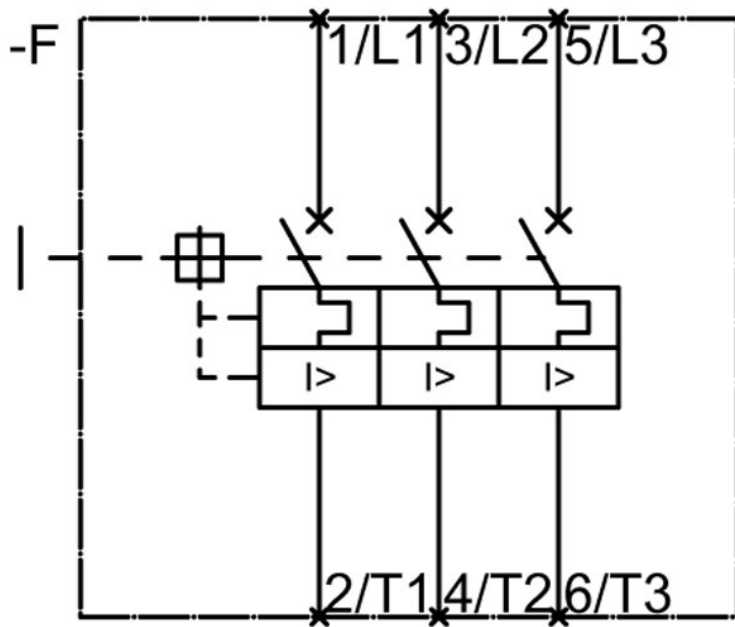
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RV2011-1EA10/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2011-1EA10





last change:

Apr 5, 2014