



CIRCUIT-BREAKER SZ S00,
FOR TRANSFORMER PROT. A-RELEASE 0.28...0.4A,
N-RELEASE 8.2A, 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		
<ul style="list-style-type: none"> removable terminal for auxiliary and control circuit 		No
<ul style="list-style-type: none"> overload protection 		Yes
<ul style="list-style-type: none"> phase disturbance recognition 		Yes
<ul style="list-style-type: none"> short-circuit to earth recognition 		No
Product component		
<ul style="list-style-type: none"> auxiliary switch 		No
<ul style="list-style-type: none"> undervoltage release mechanism 		No
<ul style="list-style-type: none"> trip indicator 		No
Product extension		
<ul style="list-style-type: none"> auxiliary switch 		Yes
<ul style="list-style-type: none"> 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
Resistance against shock		25g / 11 ms
Ambient temperature		
• during transport	°C	-50 ... +80
• during storage	°C	-50 ... +80
• during operating	°C	-20 ... +60
Active power loss / total / typical	W	5.5

Main circuit:

Operating voltage / rated value	V	690
Service power / at AC-3		
• at 400 V / rated value	W	90
• at 500 V / rated value	W	120
• at 690 V / rated value	W	180
Operational current / at AC-3 / at 400 V / rated value	A	0.4
Mechanical operating cycles as operating time / of the main contacts / typical		100,000
Frequency of operation / at AC-3 / according to IEC 60947-6-2	1/h	15

Auxiliary circuit:

Number of change-over switches / 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	0.28 ... 0.4
Breaking capacity limit short-circuit current (Icu)		
• at 400 V / rated value	A	100,000
• at 500 V / rated value	A	100,000
• at 690 V / rated value	A	100,000

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:

Type of mounting		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"> solid finely stranded <ul style="list-style-type: none"> with conductor end processing for AWG conductors / for main contacts 		2x (0.75 ... 2.5 mm ²), 2x 4 mm ² 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (18 ... 14), 2x 12

Certificates/approvals:

General Product Approval			Declaration of Conformity	Test Certificates	
 CSA	 GOST	 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	 VDE	other		

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

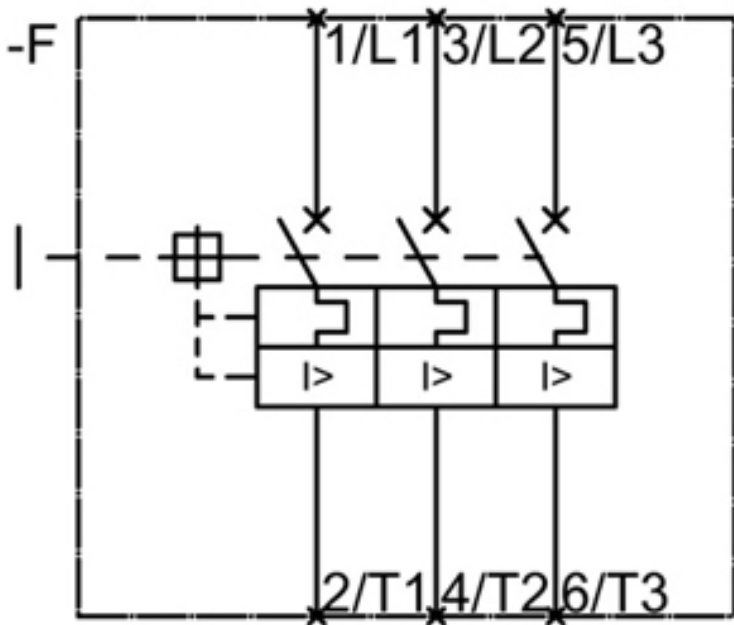
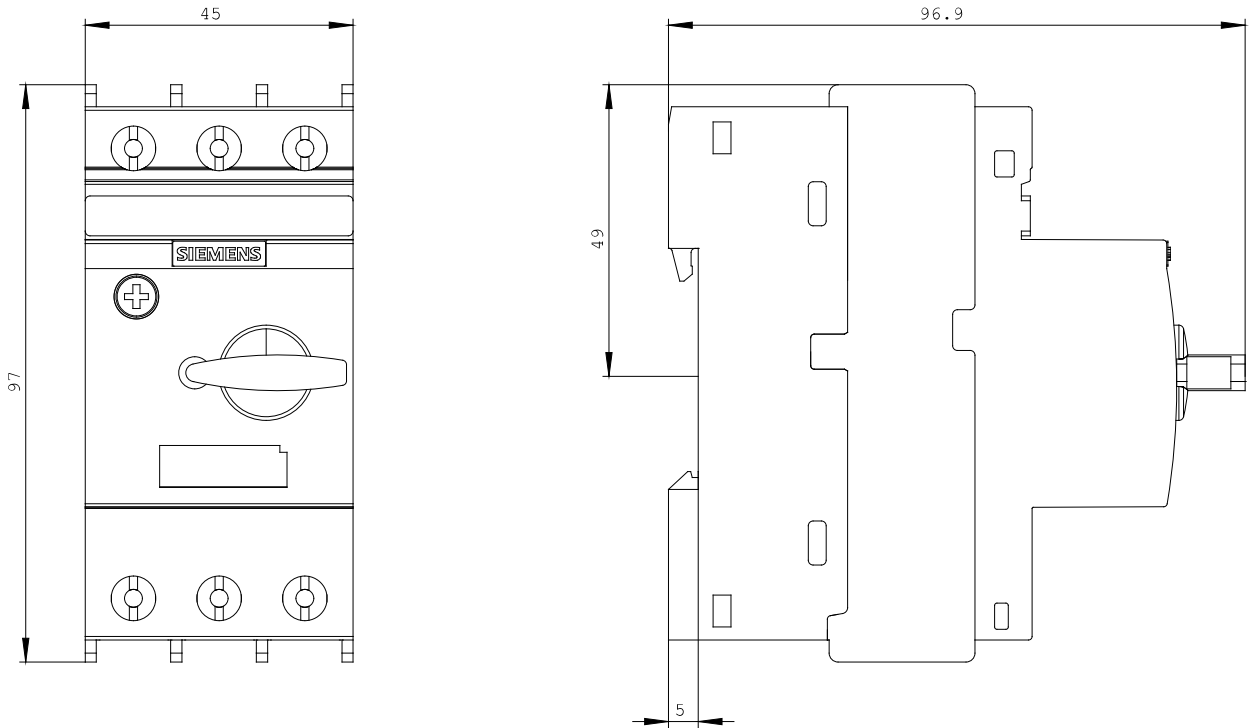
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

Cax online generator:

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



last change:

Feb 14, 2013