



CIRCUIT-BREAKER SZ S00,
FOR MOTOR PROTECTION, CLASS 10,
A-REL. 0.7...1A, N-RELEASE 13A,
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	5.1

Main circuit:

Operating voltage / rated value	V	690
Service power / at AC-3		
• at 400 V / rated value	W	250
• at 500 V / rated value	W	370
• at 690 V / rated value	W	550
Operating current / at AC-3 / at 400 V / rated value	A	1
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	0.7 ... 1

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] / 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
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Connections:

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 the connectable conductor cross-section • for main contacts • finely stranded • 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) • for three-phase squirrel cage motors • at 575/600 V / rated value	hp	0.5
Full-load current (FLA) / for 3-phase motor • at 480 V / rated value • at 600 V / rated value	A A	1 1

Certificates/approvals:

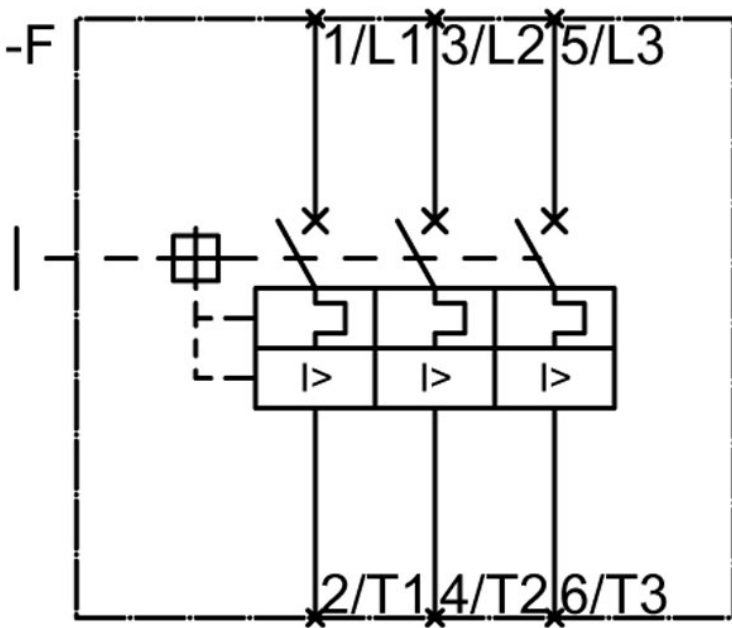
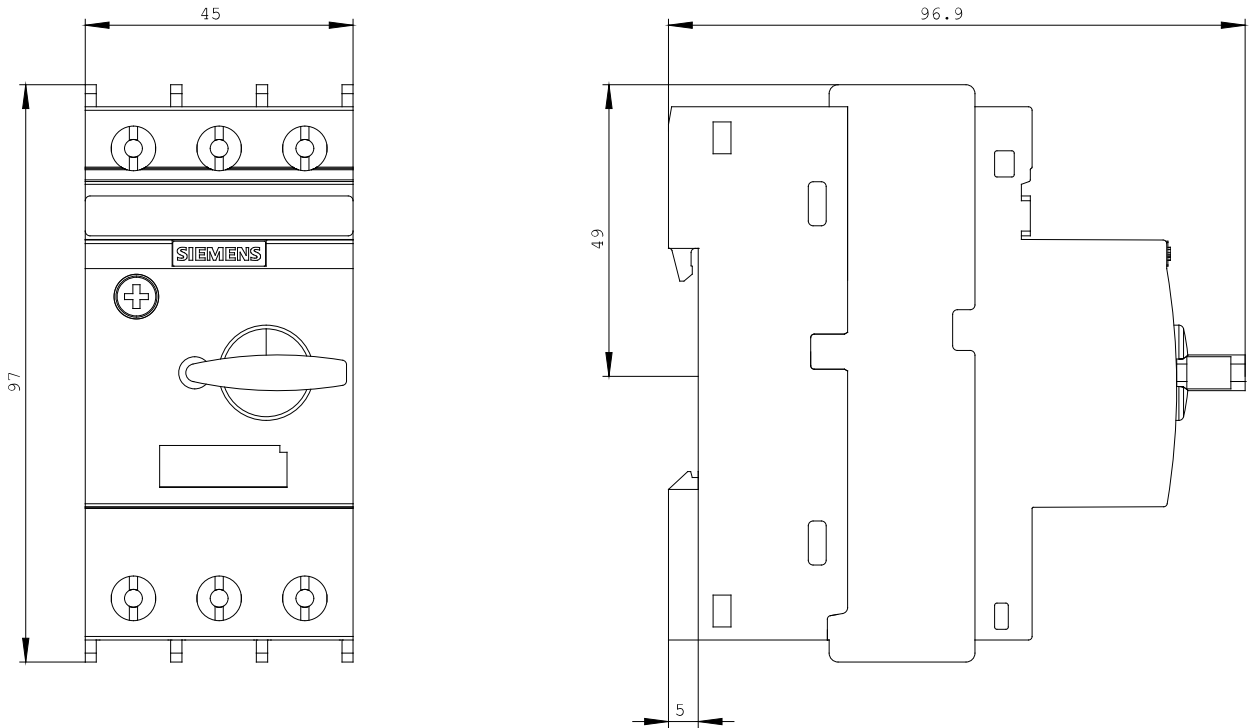
General Product Approval	Declaration of Conformity	Test Certificates
 CCC  EAC  UL	 EG-Konf.	Special Test Certificate Type Test Certificates/Test Report

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>
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- Industry Mall (Online ordering system)**
<http://www.siemens.com/industrial-controls/mall>
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- Cax online generator:**
<http://www.siemens.com/cax>



last change:

Jun 16, 2014