



CIRCUIT-BREAKER SZ S00,
FOR MOTOR PROTECTION, CLASS 10,
A-REL.1.1...1.6A, N-RELEASE 21A,
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
Ambient temperature		
• during transport	°C	-50 ... +80
• during storage	°C	-50 ... +80
• during operating	°C	-20 ... +60
Active power loss / total / typical	W	6

Main circuit:

Operating voltage / rated value	V	690
Service power / at AC-3		
• at 400 V / rated value	W	550
• at 500 V / rated value	W	750
• at 690 V / rated value	W	1,100
Operating current / at AC-3 / at 400 V / rated value	A	1.6
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	1.1 ... 1.6

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
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Connections:

Arrangement of electrical connectors / for main current circuit		Top and bottom
Design of the electrical connection		screw-type terminals
<ul style="list-style-type: none"> • for main current circuit 		
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 230 V / rated value • for three-phase squirrel cage motors <ul style="list-style-type: none"> • at 460/480 V / rated value • at 575/600 V / rated value 	hp hp hp	0.1 0.75 0.75
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	1.6 1.3

Certificates/approvals:

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

Shipping Approval

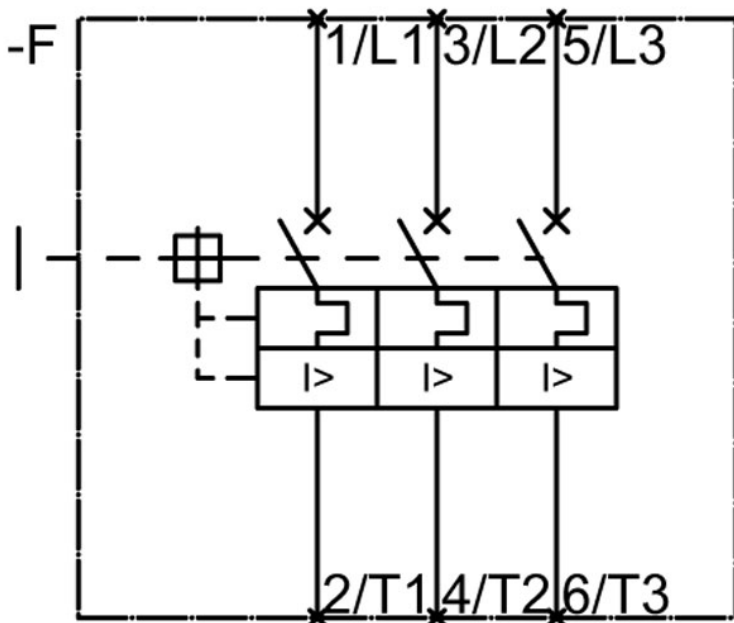
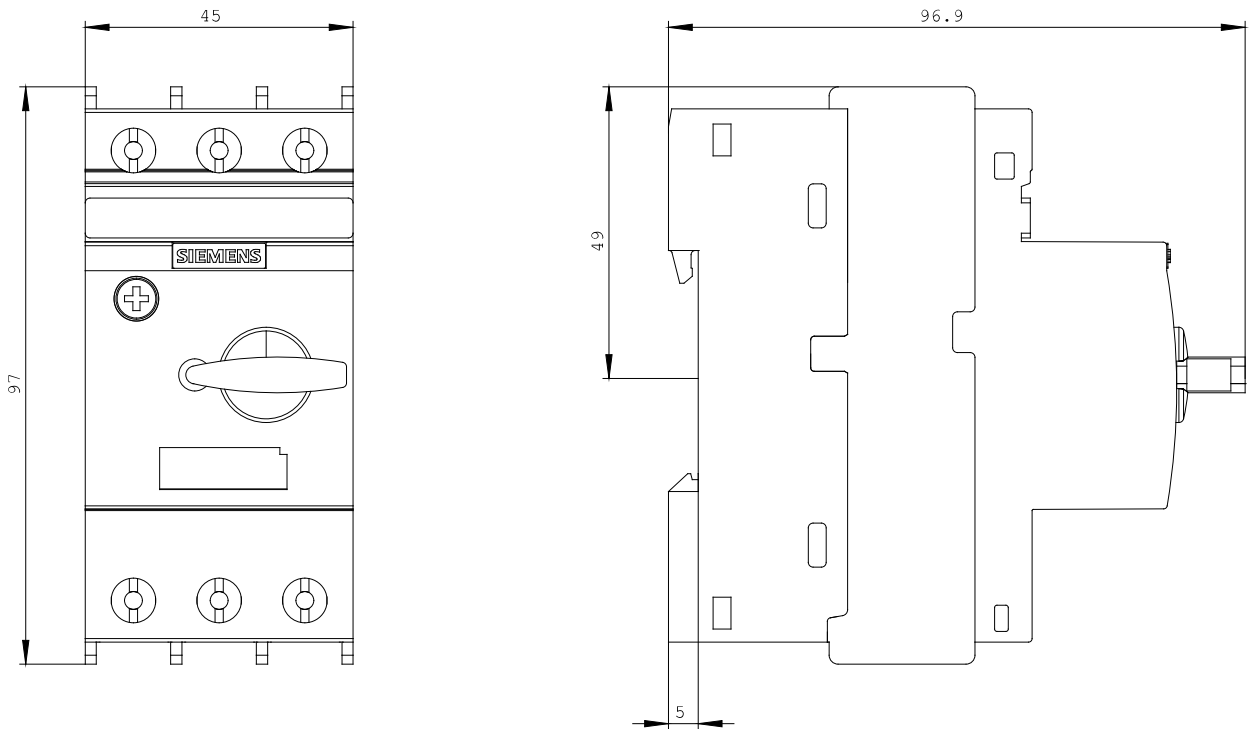
					
ABS	BUREAU VERITAS	DNV	GL	LRS	PRS

Shipping Approval **other**

		Confirmation		other	Environmental Confirmations
RINA	RMRS		VDE		

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)
<http://www.siemens.com/industrial-controls/catalogs>



last change:

Apr 5, 2014