



CIRCUIT-BREAKER SZ S00,  
FOR MOTOR PROTECTION, CLASS 10,  
A-REL. 0.55...0.8A,  
N-RELEASE 10 A SCREW CONNECTION,  
STANDARD SW. CAPACITY

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

<b>Installation altitude / at a height over sea level / maximum</b>	m	2,000
<b>Ambient temperature</b>		
• during transport	°C	-50 ... +80
• during storage	°C	-50 ... +80
• during operating	°C	-20 ... +60
<b>Active power loss / total / typical</b>	W	5.4

#### Main circuit:

<b>Operating voltage / rated value</b>	V	690
<b>Service power / at AC-3</b>		
• at 400 V / rated value	W	180
• at 500 V / rated value	W	250
• at 690 V / rated value	W	370
<b>Operating current / at AC-3 / at 400 V / rated value</b>	A	0.8
<b>Mechanical operating cycles as operating time / of the main contacts / typical</b>		100,000
<b>Frequency of operation / with AC-3 / maximum</b>	1/h	15

#### Auxiliary circuit:

<b>Number of changeover contacts / for auxiliary contacts</b>		0
<b>Mechanical operating cycles as operating time / of the auxiliary contacts / typical</b>		100,000

#### Protection function:

<b>Trip class</b>		CLASS 10
<b>Adjustable response current / of the current-dependent overload release</b>	A	0.55 ... 0.8

#### Safety:

<b>Proportion of dangerous failures</b>		
• with high demand rate / according to SN 31920	%	40
• with low demand rate / according to SN 31920	%	40
<b>Failure rate (FIT value) / with low demand rate / according to SN 31920</b>	FIT	50
<b>B10 value / with high demand rate / according to SN 31920</b>		50,000
<b>T1 value / for proof test interval or service life / according to IEC 61508</b>	a	10

#### Installation/mounting/dimensions:

<b>Mounting type</b>		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
<b>mounting position</b>		any
<b>Depth</b>	mm	96
<b>Height</b>	mm	97

<b>Width</b>	mm	45
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<b>Connections:</b>		
<b>Arrangement of electrical connectors / for main current circuit</b>		Top and bottom
<b>Design of the electrical connection</b>		screw-type terminals
<ul style="list-style-type: none"> <li>• for main current circuit</li> </ul>		
<b>Type of the connectable conductor cross-section</b>		
<ul style="list-style-type: none"> <li>• for main contacts <ul style="list-style-type: none"> <li>• finely stranded <ul style="list-style-type: none"> <li>• with conductor end processing</li> </ul> </li> </ul> </li> <li>• for AWG conductors / for main contacts</li> </ul>		2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ) 2x (18 ... 14), 2x 12

### Certificates/approvals:

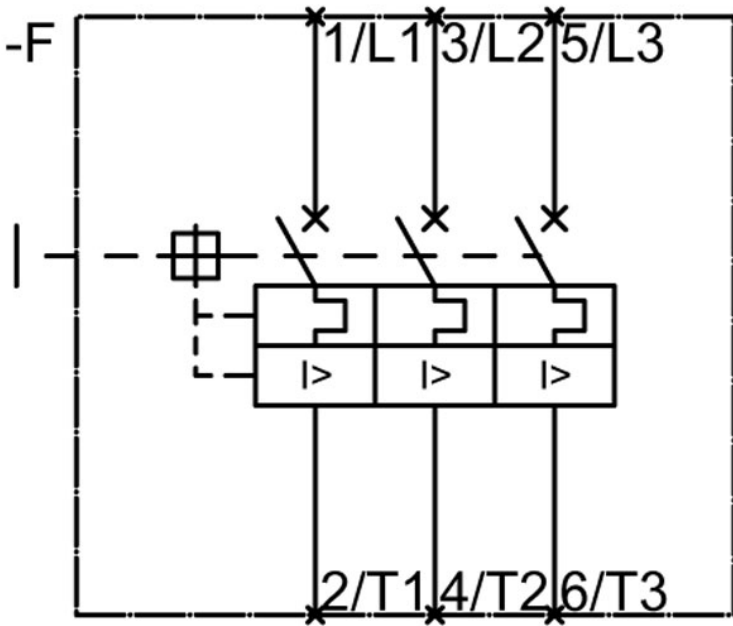
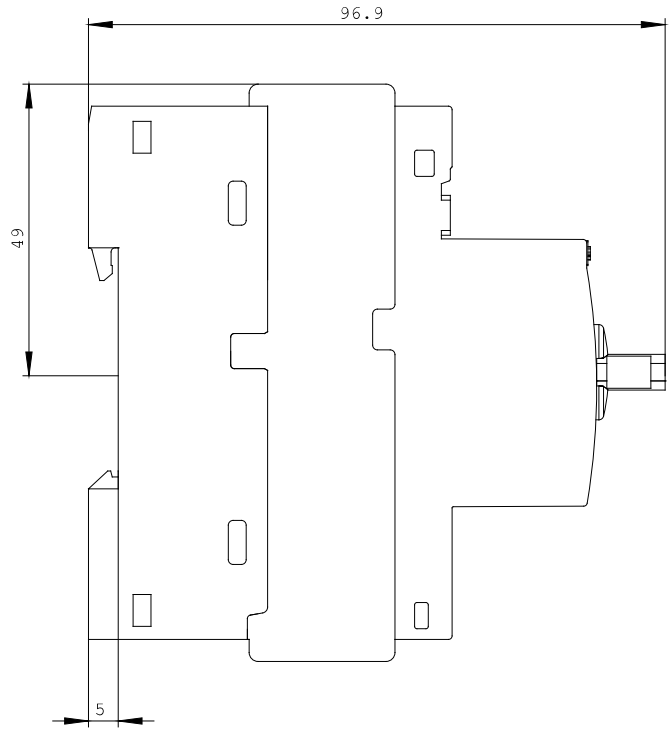
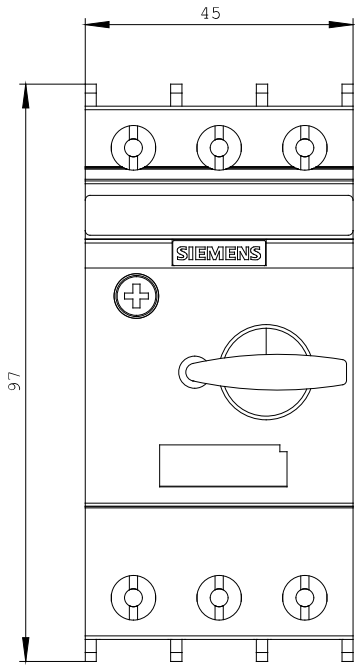
General Product Approval	Declaration of Conformity	Test Certificates
 CCC  EAC  UL	 EG-Konf.	<a href="#">Special Test Certificate</a> <a href="#">Type Test Certificates/Test Report</a>

Shipping Approval					
 ABS  BUREAU VERITAS	 DNV	 GL	 LRS	 PRS	

Shipping Approval	other
 RINA  RMRS	<a href="#">Confirmation</a>  VDE <a href="#">other</a> <a href="#">Environmental Confirmations</a>

### Further information:

<b>Information- and Downloadcenter (Catalogs, Brochures,...)</b> <a href="http://www.siemens.com/industrial-controls/catalogs">http://www.siemens.com/industrial-controls/catalogs</a>
<b>Industry Mall (Online ordering system)</b> <a href="http://www.siemens.com/industrial-controls/mall">http://www.siemens.com/industrial-controls/mall</a>
<b>Cax online generator:</b> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
<b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b> <a href="http://support.automation.siemens.com/WWW/view/en/3RV2011-0HA10/all">http://support.automation.siemens.com/WWW/view/en/3RV2011-0HA10/all</a>
<b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)</b> <a href="http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2011-0HA10">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2011-0HA10</a>



last change:

Apr 5, 2014