



CIRCUIT-BREAKER SZ S00,  
FOR TRANSFORMER PROT. A-RELEASE 0.14...0.2A,  
N-RELEASE 4.2A, SPRING-L. 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>	
• short circuit protection	Yes
• overload protection	Yes
• phase disturbance recognition	Yes
• plant protection	No
• motor protection	No
• motor protection with relays overload functionality	No
• starter protection	No
• transformer protection	Yes
• disconnecter functionality	Yes
• main control switches with supply disconnect function and EM-STOP switches	No
<b>Design of the operating mechanism</b>	selector switch
<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>Insulation voltage / with degree of pollution 3 / rated value</b>	V	690
<b>Impulse voltage resistance / rated value</b>	kV	6
<b>Protection class IP</b>		
• of the terminal		IP20
• on the front		IP20
<b>Protection against electrical shock</b>		finger-safe
<b>Installation altitude / at a height over sea level / maximum</b>	m	2,000
<b>Relative humidity</b>		
• during operating phase	%	10 ... 95
<b>Ambient temperature</b>		
• during transport	°C	-50 ... +80
• during storage	°C	-50 ... +80
• during operating	°C	-20 ... +60
<b>Shock resistance / according to IEC 60068-2-27</b>		25g / 11 ms
<b>Active power loss / total / typical</b>	W	5.3

#### Main circuit:

<b>Operating voltage / rated value</b>	V	690
<b>Voltage type / for main circuit</b>		AC/DC
<b>Operating frequency</b>		
• rated value	Hz	50 ... 60
<b>Operating current / at AC-3 / at 400 V / rated value</b>	A	0.2

#### Protective and monitoring functions:

<b>Varification of suitability / ATEX</b>		No
<b>Design of the overload circuit breaker</b>		thermal
<b>Adjustable response current / of the current-dependent overload release</b>	A	0.14 ... 0.2
<b>Trip class</b>		CLASS 10
<b>Design of the short-circuit trip</b>		magnetic
<b>Operational short-circuit current breaking capacity (Ics) / with AC</b>		
• at 240 V / rated value	kA	100
• at 400 V / rated value	kA	100
• at 500 V / rated value	kA	100
• at 690 V / rated value	kA	100
<b>Breaking capacity maximum short-circuit current (Icu)</b>		

• at 240 V / for AC / rated value	kA	100
• at 400 V / for AC / rated value	kA	100
• at 500 V / for AC / rated value	kA	100
• at 690 V / for AC / rated value	kA	100
<b>Breaking capacity short-circuit current (I<sub>cn</sub>)</b>		
• with 1 current path / at 150 V / for DC / rated value	kA	10
• with 2 current paths in series / at 300 V / for DC / rated value	kA	10
• with 3 current paths in series / at 450 V / for DC / rated value	kA	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	106
<b>Width</b>	mm	45













#### Connections/ terminals:

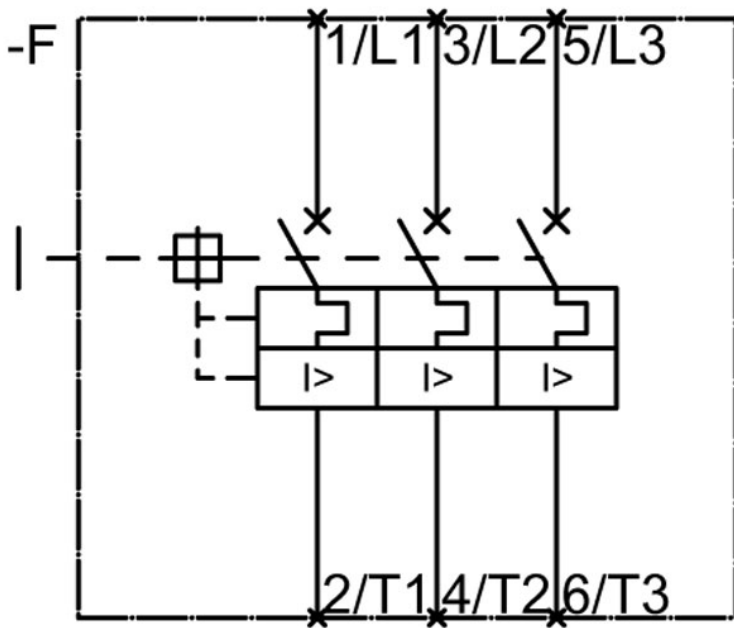
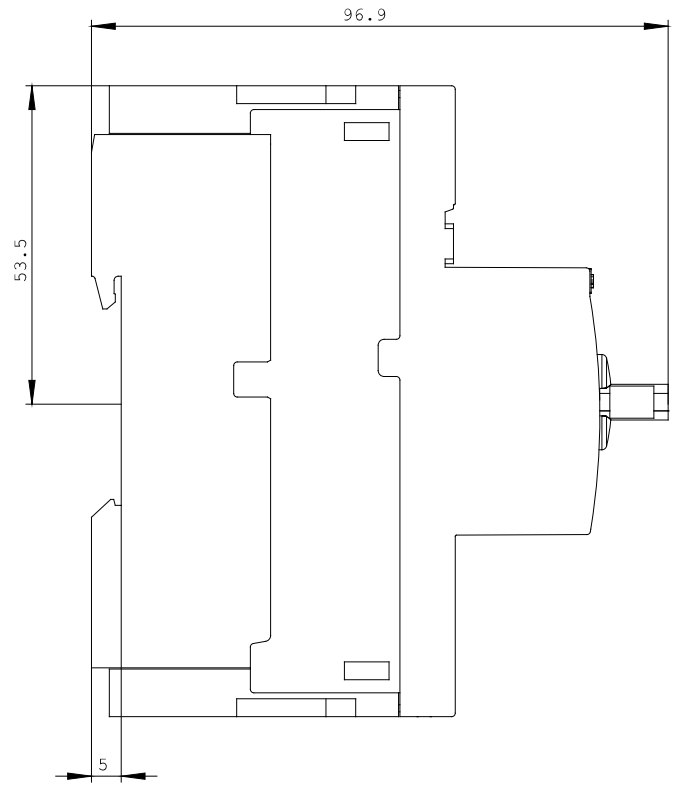
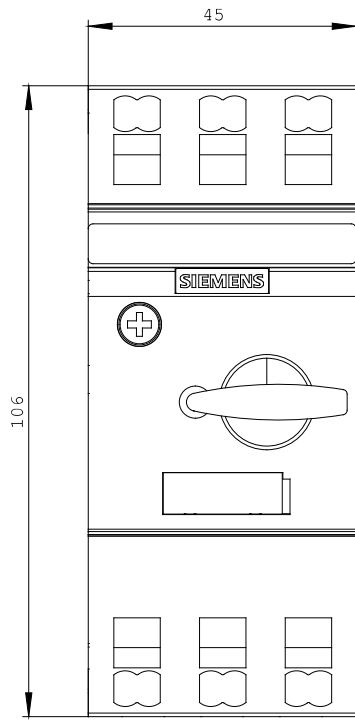
<b>Arrangement of electrical connectors / for main current circuit</b>		Top and bottom
<b>Design of the electrical connection / for main current circuit</b>		spring-loaded terminals
<b>Type of the connectable conductor cross-section</b>		
• for main contacts		
• solid or multi-stranded		2x (0,5 ... 4 mm <sup>2</sup> )
• finely stranded		
• without conductor final cutting		2x (0.5 ... 2.5 mm <sup>2</sup> )
• with conductor end processing		2x (0.5 ... 2.5 mm <sup>2</sup> )
• for AWG conductors / for main contacts		2x (20 ... 12)

#### UL/CSA ratings:

<b>Operating voltage / according to UL 60947 / rated value</b>	V	600
<b>Full-load current (FLA) / for 3-phase motor</b>		
• at 480 V / rated value	A	0.2
• at 600 V / rated value	A	0.2

#### Certificates/ approvals:

General Product Approval		Declaration of Conformity	Test Certificates		
 CCC		 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/industrymall">http://www.siemens.com/industrymall</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/WW/view/en/3RV2411-0BA20/all">http://support.automation.siemens.com/WW/view/en/3RV2411-0BA20/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=3RV2411-0BA20">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2411-0BA20</a>					



last change:

Aug 4, 2014