



Circuit breaker 20 A A-release 14...20 A, N-release 260 A, for motor protection, class 10, screw connection, standard switching capacity, w. transverse AUX. switch 1 NO + 1 NC

<b>product brand name</b>	SIRIUS
<b>product designation</b>	Circuit breaker
<b>design of the product</b>	for motor protection
<b>product type designation</b>	3RV6
<b>General technical data</b>	
<b>size of the circuit-breaker</b>	S0
<b>power loss [W] total typical</b>	8 W
power loss [W] for rated value of the current at AC in hot operating state per pole	3.5 W
<b>type of calculation of power loss current-dependent</b>	quadratic
insulation voltage with degree of pollution 3 at AC rated value	690 V
<b>surge voltage resistance rated value</b>	6 kV
<b>shock resistance according to IEC 60068-2-27</b>	25 g / 11 ms
<b>Substance Prohibitance (day/month/year)</b>	05/01/2012
<b>Net Weight</b>	377 g
<b>Ambient conditions</b>	
installation altitude at height above sea level maximum	2 000 m
<b>ambient temperature</b>	
• during operation	-20 ... +60 °C
• during transport	-50 ... +80 °C
relative humidity during operation	10 ... 95 %
<b>Main circuit</b>	
<b>number of poles for main current circuit</b>	3
<b>adjustable current response value current of the current-dependent overload release</b>	13 ... 20 A
<b>operating voltage</b>	
• rated value	690 V
• at AC-3 rated value maximum	690 V
<b>operating frequency rated value</b>	50 ... 60 Hz
<b>operational current rated value</b>	20 A
operational current at AC-3 at 400 V rated value	20 A
operating frequency at AC-3 maximum	15 1/h
<b>Auxiliary circuit</b>	
<b>design of the auxiliary switch</b>	transverse
<b>Protective and monitoring functions</b>	
<b>trip class</b>	CLASS 10
<b>design of the overload release</b>	thermal
maximum short-circuit current breaking capacity (I <sub>cu</sub> ) at AC at 400 V rated value	55 kA
operating short-circuit current breaking capacity (I <sub>cs</sub> ) at AC at	25 kA

400 V rated value	
response value current of instantaneous short-circuit trip unit	260 A
<b>Short-circuit protection</b>	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
<b>Installation/ mounting/ dimensions</b>	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	97 mm
width	45 mm
depth	97 mm
required spacing for grounded parts	
<ul style="list-style-type: none"> <li>• forwards</li> <li>• backwards</li> <li>• upwards</li> <li>• at the side</li> <li>• downwards</li> </ul>	<ul style="list-style-type: none"> <li>0 mm</li> <li>0 mm</li> <li>50 mm</li> <li>30 mm</li> <li>50 mm</li> </ul>
<b>Connections/ Terminals</b>	
type of electrical connection	
<ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control circuit</li> </ul>	<ul style="list-style-type: none"> <li>screw-type terminals</li> <li>screw-type terminals</li> </ul>
arrangement of electrical connectors for main current circuit	Top and bottom
type of connectable conductor cross-sections for main contacts	
<ul style="list-style-type: none"> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> </ul>	<ul style="list-style-type: none"> <li>2x (1 ... 2.5 mm<sup>2</sup>), 2x (2.5 ... 10 mm<sup>2</sup>)</li> <li>2x (1 ... 2.5 mm<sup>2</sup>), 2x (2.5 ... 6 mm<sup>2</sup>), 1x 10 mm<sup>2</sup></li> </ul>
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>• for AWG cables for auxiliary contacts</li> </ul>	<ul style="list-style-type: none"> <li>2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)</li> <li>2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)</li> <li>2x (20 ... 16), 2x (18 ... 14)</li> </ul>
tightening torque	
<ul style="list-style-type: none"> <li>• for main contacts with screw-type terminals</li> <li>• for auxiliary contacts with screw-type terminals</li> </ul>	<ul style="list-style-type: none"> <li>2 ... 2.5 N·m</li> <li>0.8 ... 1.2 N·m</li> </ul>
<b>Electrical Safety</b>	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front

**Approvals Certificates**

General Product Approval	Test Certificates
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[Type Test Certificates/Test Report](#)

Maritime application	other
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[CCS \(China Classification Society\)](#)

[Confirmation](#)

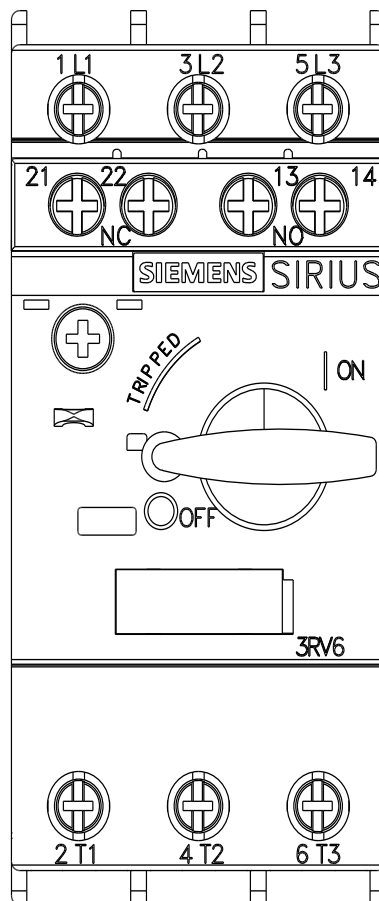
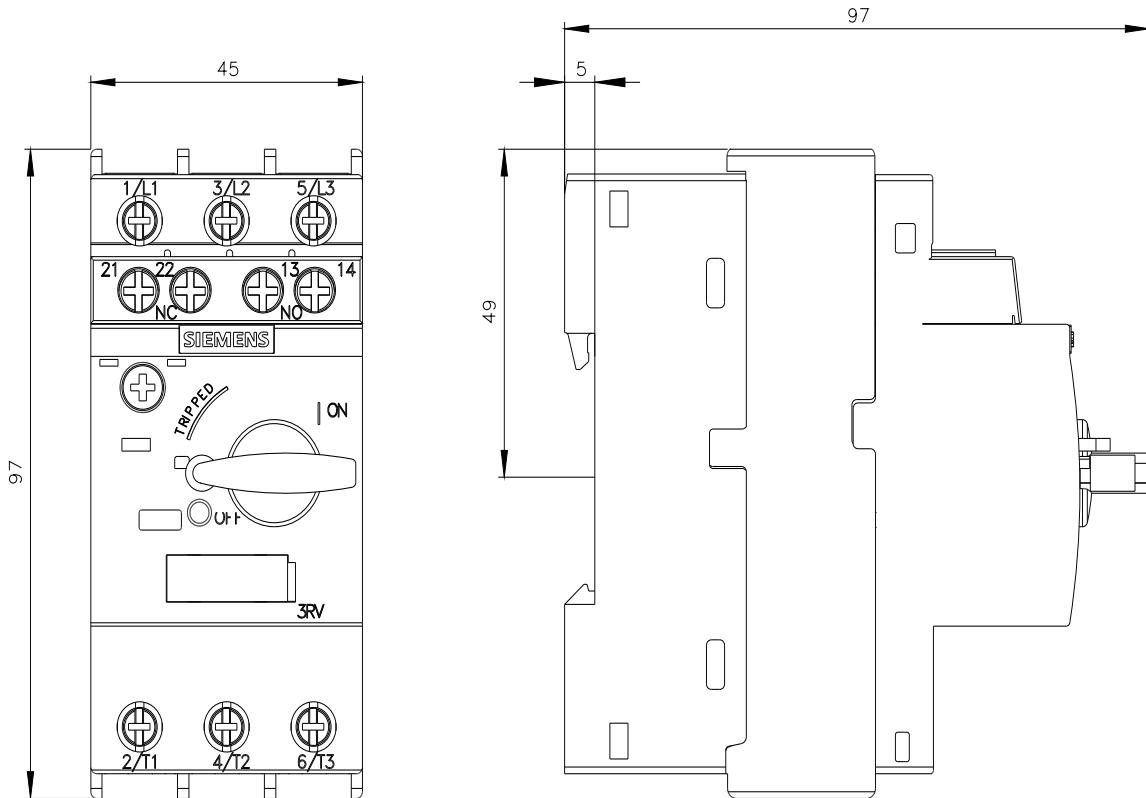
[Miscellaneous](#)

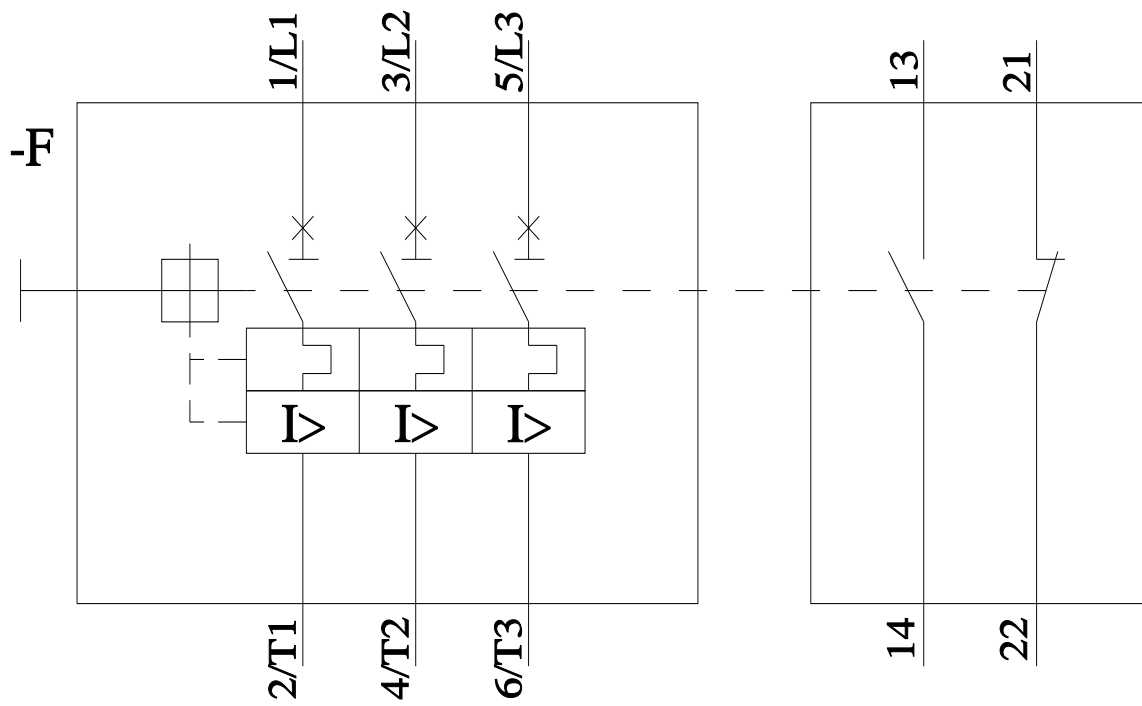
[Confirmation](#)



**Environment**

[Environmental Confirmations](#)





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