



CIRCUIT-BREAKER, SIZE S2, FOR MOTOR PROTECTION, CLASS 20, A-RELEASE 22...32 A, N-RELEASE 416 A, SCREW CONNECTION, STANDARD BREAKING CAPACITY

Figure similar

product brand name	SIRIUS
Product designation	circuit breaker
Design of the product	for motor protection

**General technical data:**

<b>Product expansion</b>	
• Auxiliary switch	Yes
<b>Active power loss total typical</b>	15 W
<b>Surge voltage resistance Rated value</b>	6 000 V
<b>Protection class IP</b>	
• on the front	IP20
<b>Mechanical service life (switching cycles)</b>	
• of the main contacts typical	50 000

**Ambient conditions:**

<b>Installation altitude at height above sea level maximum</b>	2 000 m
<b>Ambient temperature</b>	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C

**Main circuit:**

<b>Adjustable response value current of the current-dependent overload release</b>	22 ... 32 A
<b>Operating voltage</b>	
• Rated value	690 V

<ul style="list-style-type: none"> <li>• at AC-3 Rated value maximum</li> </ul>	690 V
<b>Operating current</b>	
<ul style="list-style-type: none"> <li>• at AC-3 <ul style="list-style-type: none"> <li>— at 400 V Rated value</li> </ul> </li> </ul>	32 A
<b>Operating power</b>	
<ul style="list-style-type: none"> <li>• at AC-3 <ul style="list-style-type: none"> <li>— at 400 V Rated value</li> </ul> </li> </ul>	15 kW
<b>Operating frequency</b>	
<ul style="list-style-type: none"> <li>• at AC-3 maximum</li> </ul>	15 1/h

#### Auxiliary circuit:

<b>Number of CO contacts</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>	0

#### Protective and monitoring functions:

<b>Trip class</b>	CLASS 20
<b>Maximum short-circuit current breaking capacity (Icu)</b>	
<ul style="list-style-type: none"> <li>• at AC at 240 V Rated value</li> </ul>	100 kA
<ul style="list-style-type: none"> <li>• with AC at 400 V Rated value</li> </ul>	50 kA
<ul style="list-style-type: none"> <li>• at AC at 500 V Rated value</li> </ul>	10 kA
<ul style="list-style-type: none"> <li>• at AC at 690 V Rated value</li> </ul>	4 kA

#### Short-circuit:

<b>Design of the overcurrent release and short-circuit release</b>	thermomagnetic
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#### Installation/ mounting/ dimensions:

<b>mounting position</b>	any
<b>Mounting type</b>	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
<b>Height</b>	140 mm
<b>Width</b>	55 mm
<b>Depth</b>	149 mm
<b>Required spacing</b>	
<ul style="list-style-type: none"> <li>• with side-by-side mounting <ul style="list-style-type: none"> <li>— Backwards</li> </ul> </li> </ul>	0 mm
<ul style="list-style-type: none"> <li>— at the side</li> </ul>	0 mm

#### Connections/ Terminals:






<b>Product function</b>	
<ul style="list-style-type: none"> <li>• removable terminal for auxiliary and control circuit</li> </ul>	No
<b>Type of electrical connection</b>	
<ul style="list-style-type: none"> <li>• for main current circuit</li> </ul>	screw-type terminals with box terminals
<ul style="list-style-type: none"> <li>• for auxiliary and control current circuit</li> </ul>	screw-type terminals





Arrangement of electrical connectors for main current circuit	front side
Type of connectable conductor cross-section	
<ul style="list-style-type: none"> <li>• for main contacts <ul style="list-style-type: none"> <li>— solid</li> <li>— stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>• for AWG conductors for main contacts</li> </ul>	<p>2x (0.75 ... 16 mm<sup>2</sup>)</p> <p>2x (0.75 ... 25 mm<sup>2</sup>), 1x (0.75 ... 35 mm<sup>2</sup>)</p> <p>2x (0.75 ... 16 mm<sup>2</sup>), 0.75 ... 25 mm<sup>2</sup></p> <p>2x (18 ... 2), 1x (18 ... 2)</p>


#### Mechanical data:

Size of the circuit-breaker	S2
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#### Certificates/ approvals:

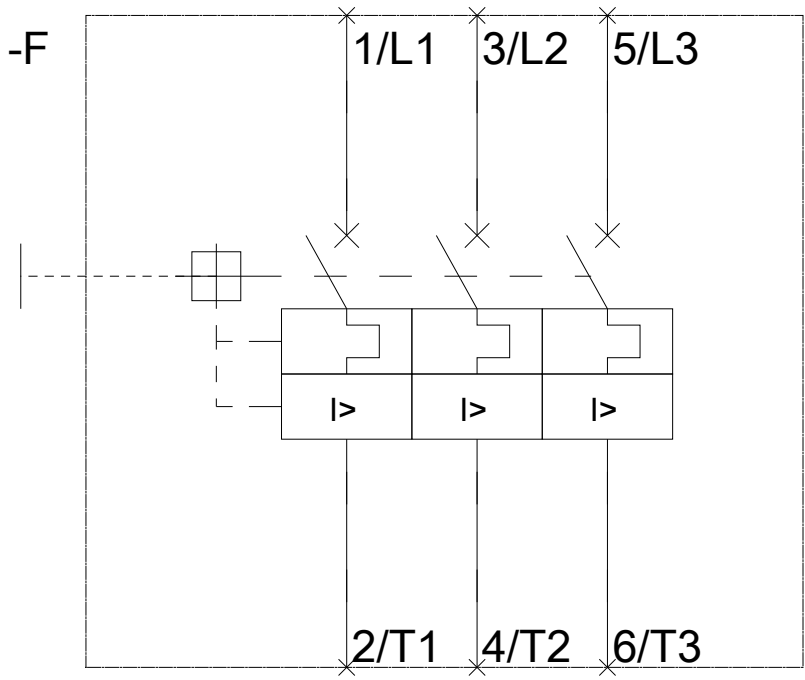
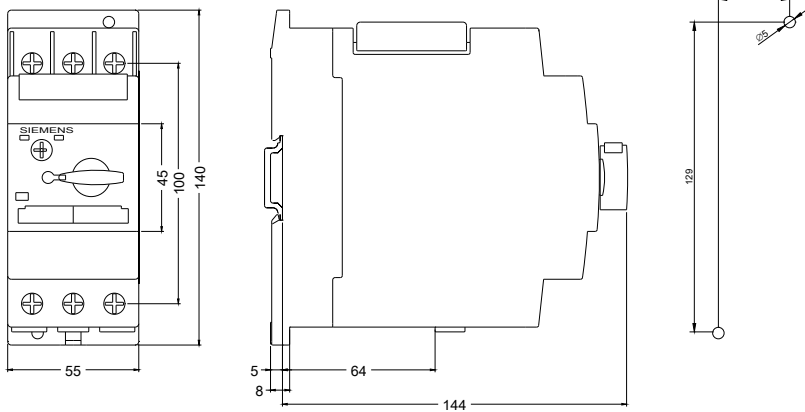
General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
 CCC	 CSA	 EAC	 EG-Konf.
		<a href="#">spezielle Prüfbescheinigung</a> n	 ABS

Shipping Approval	other
 BUREAU VERITAS	 DNV
 GL	 RMRS
	<a href="#">Bestätigungen</a>
	<a href="#">sonstig</a>

other
<a href="#">Umweltbestätigung</a>
 VDE

#### Further information

- Information- and Downloadcenter (Catalogs, Brochures,...)**  
<http://www.siemens.com/industrial-controls/catalogs>
- Industry Mall (Online ordering system)**  
<http://www.siemens.com/industrymall>
- Cax online generator**  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RV10314EB10>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3RV10314EB10>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RV10314EB10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RV10314EB10&lang=en)



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