



Residual current operated circuit breaker, 4-pole, type A, In: 100 A, 30 mA, Un AC: 400 V

Model	
product brand name	SENTRON
product designation	RCCB
design of the product	Instantaneous
product type designation	5SV3
General technical data	
number of poles	4
size of installation devices according to DIN 43880	1
mechanical service life (operating cycles) typical	5 000
short-circuit current of series fuse maximum permissible	125 A
short-circuit current rating	10 kA
switching function short-term delayed	No
overvoltage category	III
insulation voltage (Ui) rated value	2 000 V
tripping fault current rated value	30 mA
let-through current permissible	6 400 A
I2t value permissible	60 000 A <sup>2</sup> ·s
Supply voltage	
supply voltage for testing equipment minimum	195 V
value range of the supply voltage frequency	50 Hz
value range of the operating frequency	50 Hz
value range of the supply voltage at AC	230/400 V
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
Breaking Capacity	
switching capacity current	
• according to EN 60898 rated value	1.25 kA
• according to IEC 61008-1 rated value	1.25 kA
grid spacing	60 mm
Dissipation	
power loss [W]	
• for rated value of the current at AC in hot operating state per pole	7 W
• maximum	20 W
Product details	
product feature silicon-free	Yes
product extension installable supplementary devices	No
Connections	
connectable conductor cross-section solid	
• minimum	1 mm <sup>2</sup>

<ul style="list-style-type: none"> <li>• maximum</li> </ul>	50 mm <sup>2</sup>
<b>connectable conductor cross-section stranded</b>	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	1 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	50 mm <sup>2</sup>
<b>tightening torque with screw-type terminals</b>	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	3 N·m
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	3.5 N·m
position of power supply cord	top or bottom

#### Mechanical Design

<b>height</b>	85 mm
<b>width</b>	71 mm
<b>depth</b>	73 mm
<b>installation depth</b>	73 mm
<b>number of modular width units</b>	4
<b>fastening method</b>	DIN rail (REG)
<b>mounting position</b>	any
<b>net weight</b>	377 g

#### Environmental conditions

<b>ambient temperature during operation</b>	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-25 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	40 °C
ambient temperature during storage minimum	-35 °C
<b>number of test cycles for environmental testing according to IEC 60068-2-30</b>	28

#### Environmental footprint

Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	63.8 kg
Global Warming Potential [CO2 eq] during manufacturing	1.98 kg
Global Warming Potential [CO2 eq] during operation	61.7 kg
Global Warming Potential [CO2 eq] after end of life	0.106 kg

#### Approvals Certificates

General Product Approval	Test Certificates	other
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[Confirmation](#)



EG-Konf.

[Miscellaneous](#)



[Miscellaneous](#)

[Miscellaneous](#)

other	Railway	Environment
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[Confirmation](#)

[Special Test Certificate](#)

[Environmental Confirmations](#)



[Environmental Confirmations](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SV3348-6>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3348-6>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

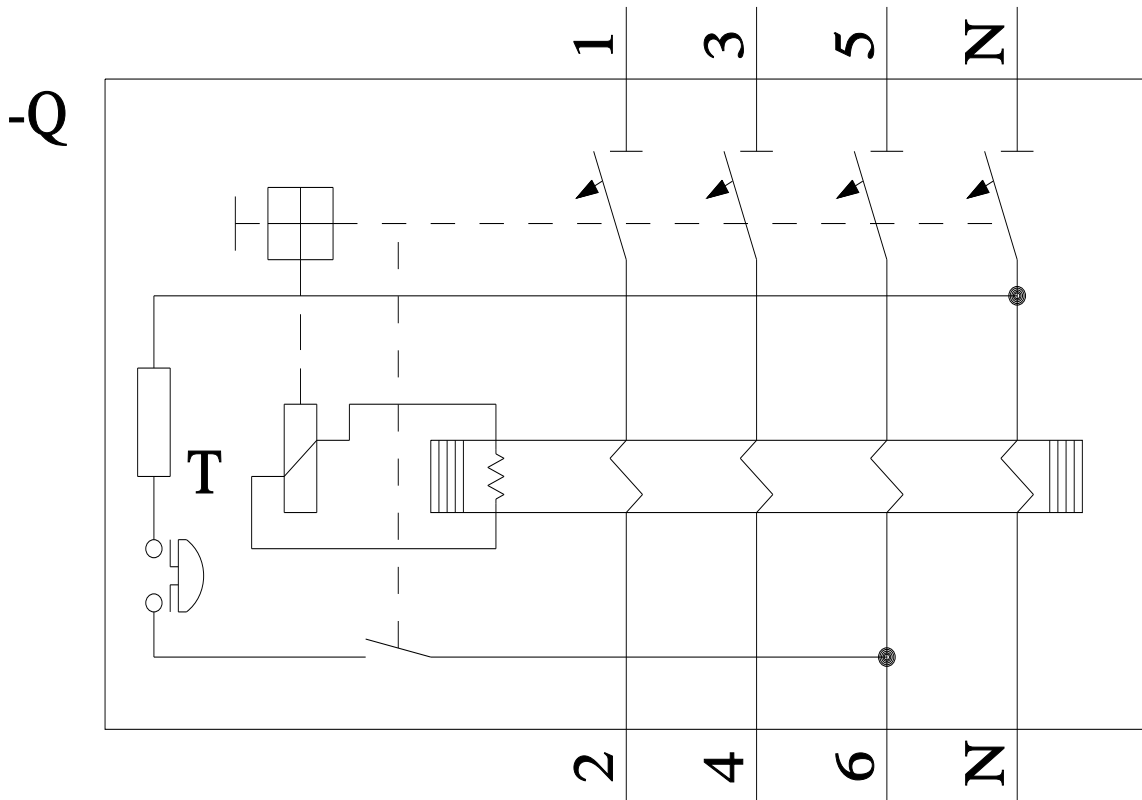
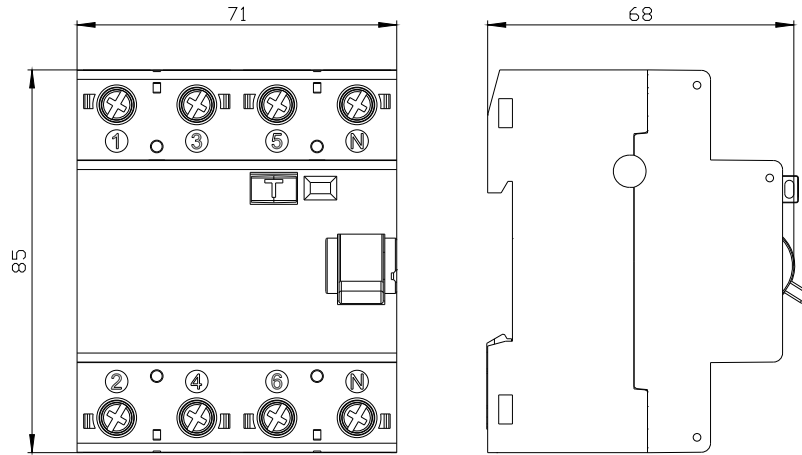
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV3348-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3348-6)

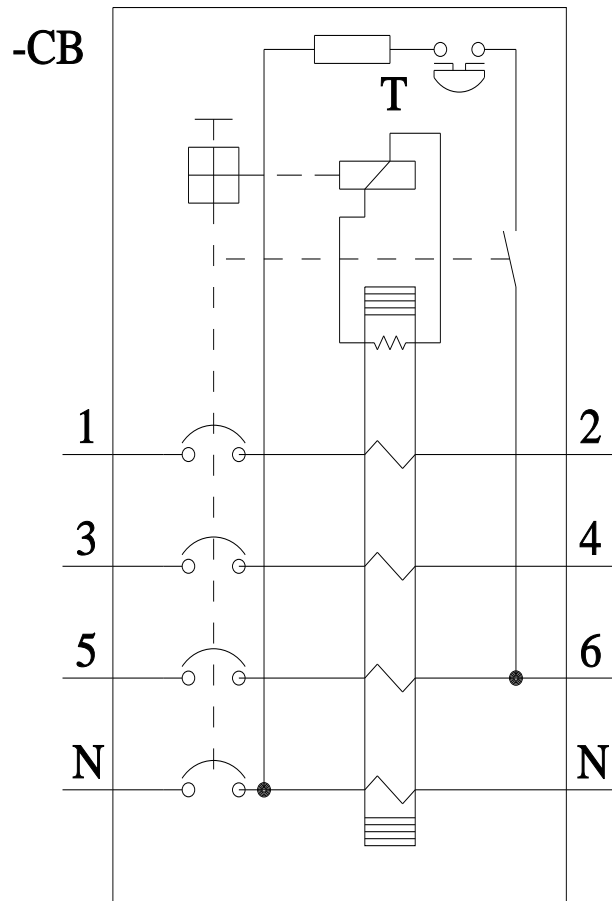
CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>





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