

Siemens  
EcoTech



Residual current operated circuit breaker, 4-pole, type A, In: 125 A, 100 mA, Un AC: 400 V short-time delayed

Model	
product brand name	SENTRON
product designation	Residual current operated circuit breaker
design of the product	Short-time delayed
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	Yes
degree of pollution	2
insulation voltage (Ui) rated value	2 000 V
tripping fault current rated value	100 mA
let-through current permissible	6 400 A
I <sup>2</sup> t 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	10.5 W
• maximum	28 W
Appearance	
RAL color number	7 035

RAL color number (similar)	7 035	
<b>Product details</b>		
product feature silicon-free	Yes	
product extension installable supplementary devices	No	
<b>Connections</b>		
connectable conductor cross-section solid		
• minimum	1 mm <sup>2</sup>	
• maximum	50 mm <sup>2</sup>	
connectable conductor cross-section stranded		
• minimum	1 mm <sup>2</sup>	
• maximum	50 mm <sup>2</sup>	
tightening torque with screw-type terminals		
• minimum	3 N·m	
• maximum	3.5 N·m	
position of power supply cord	top or bottom	
<b>Mechanical Design</b>		
height	85 mm	
width	71 mm	
depth	73 mm	
installation depth	70 mm	
number of modular width units	4	
fastening method	DIN rail	
mounting position	any	
Net Weight	380 g	
<b>Environmental conditions</b>		
ambient temperature during operation		
• minimum	-25 °C	
• maximum	40 °C	
ambient temperature during storage minimum	-35 °C	
number of test cycles for environmental testing according to IEC 60068-2-30	28	
<b>Environmental footprint</b>		
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	
<b>Approvals Certificates</b>		
General Product Approval	Test Certificates	other



EG-Konf.

[Confirmation](#)

[Miscellaneous](#)



[Miscellaneous](#)

[Confirmation](#)

other

Railway

Environment



[Special Test Certificate](#)

[Environmental Confirmations](#)



Siemens EcoTech



[Environmental Confirmations](#)

#### Further information

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=5SV3445-6KK01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3445-6KK01>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV3445-6KK01](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3445-6KK01)

CAX-Online-Generator

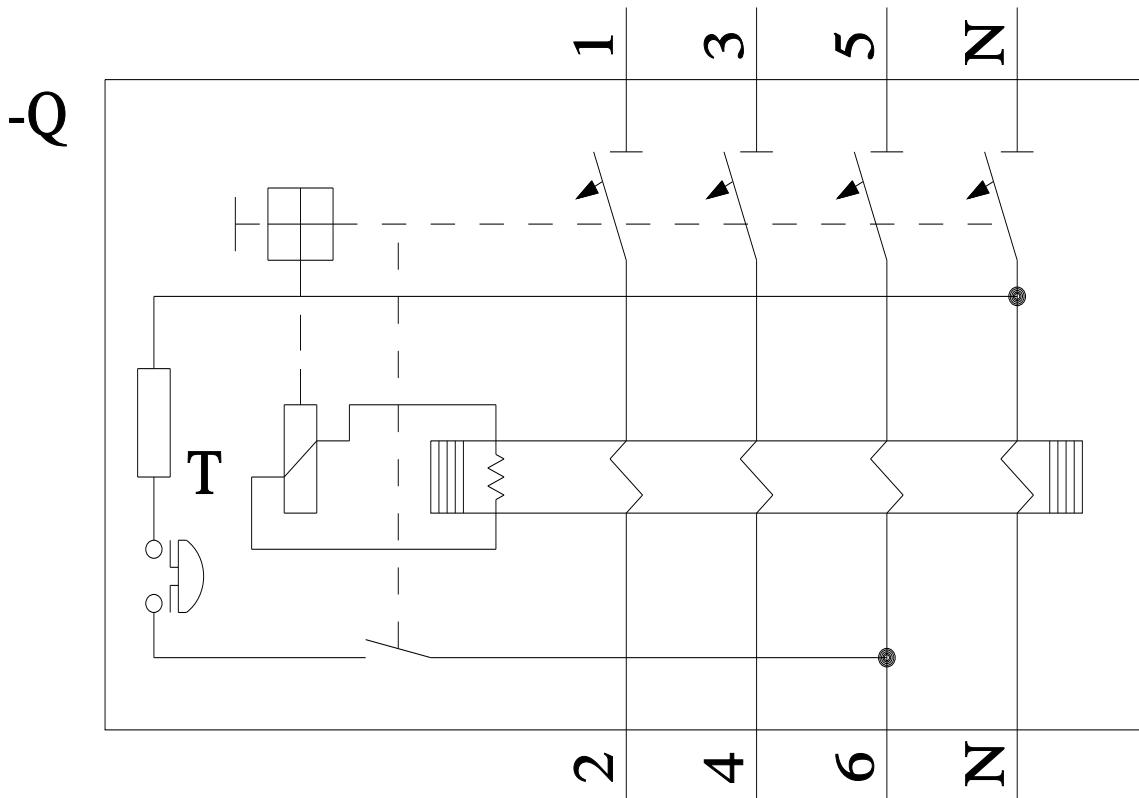
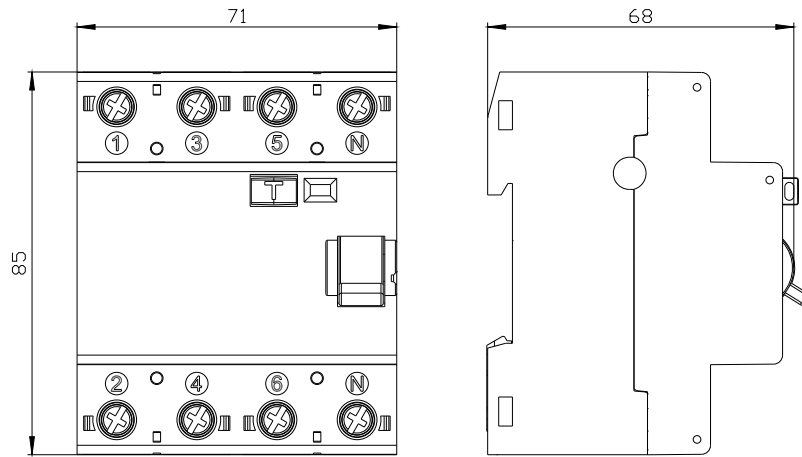
<https://www.siemens.com/cax>

Tender specifications

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP='HAUPT'></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>)





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