



residual current operated circuit breaker, 2-pole, type AC, In: 25 A, 10 mA, Un AC: 230 V,

Model	
product brand name	SENTRON
product designation	Residual current operated circuit breaker
design of the product	Instantaneous
product type designation	5SV5
General technical data	
number of poles	2
size of installation devices according to DIN 43880	1
mechanical service life (operating cycles) typical	4 000
short-circuit current of series fuse maximum permissible	63 A
short-circuit current rating	6 kA
switching function short-term delayed	No
degree of pollution	2
insulation voltage (Ui) rated value	2 000 V
tripping fault current rated value	10 mA
let-through current permissible	5 200 A
I2t value permissible	58 000 A ² ·s
Supply voltage	
supply voltage for testing equipment minimum	100 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 V
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
Breaking Capacity	
switching capacity current	
• according to IEC 61008-1 rated value	0.5 kA
grid spacing	60 mm
Dissipation	
power loss [W]	
• for rated value of the current at AC in hot operating state per pole	0.4 W
• maximum	2 W
Appearance	
RAL color number	7 035
RAL color number (similar)	7 035
Product details	
product feature silicon-free	Yes
product extension installable supplementary devices	No
Connections	
connectable conductor cross-section solid	
• minimum	0.75 mm ²
• maximum	35 mm ²
connectable conductor cross-section stranded	
• minimum	0.75 mm ²
• maximum	35 mm ²
tightening torque with screw-type terminals	

• minimum	2.5 N·m
• maximum	3 N·m
position of power supply cord	top or bottom
Mechanical Design	
height	90 mm
width	36 mm
depth	70 mm
installation depth	70 mm
number of modular width units	2
fastening method	DIN rail (REG)
mounting position	any
Net Weight	194 g
Environmental conditions	
ambient temperature during operation	
• minimum	-5 °C
• maximum	45 °C
ambient temperature during storage minimum	-40 °C
number of test cycles for environmental testing according to IEC 60068-2-30	28

Approvals Certificates	
Environment	General Product Approval

[Environmental Confirmations](#)



[Environmental Confirmations](#)



[Confirmation](#)



other	Dangerous goods
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[Confirmation](#)

[Transport Information](#)

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?mlfb=5SV5112-0>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/5SV5112-0>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV5112-0
- 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=)

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