



Residual current operated circuit breaker, 2-pole, type B, short-time delayed, In: 16 A, 30 mA, Un AC: 230 V

Model	
product brand name	SENTRON
product designation	Residual current operated circuit breaker
design of the product	Short-time delayed
product type designation	5SM3
General technical data	
number of poles	2
size of installation devices according to DIN 43880	1
mechanical service life (operating cycles) typical	10 000
switching function short-term delayed	Yes
tripping fault current rated value	30 mA
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	50/60 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	
<ul style="list-style-type: none"> according to EN 60898 rated value 	0.8 kA
<ul style="list-style-type: none"> according to IEC 61008-1 rated value 	0.8 kA
Dissipation	
power loss [W]	
<ul style="list-style-type: none"> for rated value of the current at AC in hot operating state per pole 	0.4 W
<ul style="list-style-type: none"> maximum 	0.8 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	Yes
Connections	
connectable conductor cross-section solid	
<ul style="list-style-type: none"> minimum 	1.5 mm ²
<ul style="list-style-type: none"> maximum 	25 mm ²
connectable conductor cross-section stranded	
<ul style="list-style-type: none"> minimum 	1.5 mm ²

<ul style="list-style-type: none"> • maximum 	25 mm ²
tightening torque with screw-type terminals	
<ul style="list-style-type: none"> • minimum 	2.5 N·m
<ul style="list-style-type: none"> • maximum 	3 N·m
position of power supply cord	Top or bottom (bottom for SIGRES function also in switched-off state)

Mechanical Design

height	90 mm
width	72 mm
depth	70 mm
installation depth	70 mm
number of modular width units	4
fastening method	DIN rail (REG)
mounting position	any
Net Weight	545 g

Environmental conditions

ambient temperature during operation	
<ul style="list-style-type: none"> • minimum 	-25 °C
<ul style="list-style-type: none"> • 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
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[Environmental Confirmations](#)

[Environmental Confirmations](#)

[Miscellaneous](#)



[Confirmation](#)



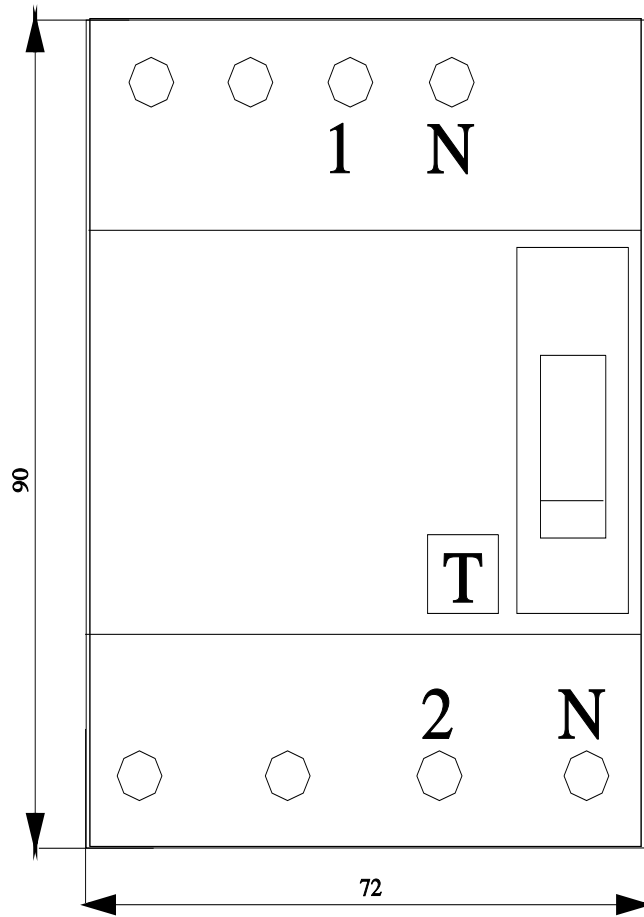
EMV	other
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[Confirmation](#)

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=5SM3321-4>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/5SM3321-4>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM3321-4
- 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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