



Residual current operated circuit breaker, 4-pole, Type AC, In: 25 A, 100 mA, Un AC: 400 V

Model	
product brand name	SENTRON
product designation	RCCB
design of the product	Instantaneous
General technical data	
number of poles	4
size of installation devices according to DIN 43880	1
mechanical service life (operating cycles) typical	10 000
short-circuit current of series fuse maximum permissible	80 A
short-circuit current rating	10 kA
switching function short-term delayed	No
overvoltage category	III
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	230/400 V
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
Switching capacity	
switching capacity current	0.8 kA
• according to IEC 61008-1 rated value	
Dissipation	
power loss [W]	0.7 W
• for rated value of the current at AC in hot operating state per pole	
• maximum	
2.1 W	
Current	
tripping fault current rated value	100 mA
operational current	25 A
• at 40 °C rated value	
• at 45 °C rated value	
• at 50 °C rated value	
• at 55 °C rated value	
• at 60 °C rated value	
• at 65 °C rated value	
• at 70 °C rated value	
• at AC rated value	
residual current type	
let-through current permissible	

I2t value permissible	58 000 A ² ·s
Product details	
product feature silicon-free	Yes
product extension installable supplementary devices	Yes
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	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	350 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	45 °C
ambient temperature during storage	
• minimum permissible	-40 °C
• maximum permissible	75 °C
number of test cycles for environmental testing according to IEC 60068-2-30	28
General Product Approval	



[Confirmation](#)



[Miscellaneous](#)



EMC	Declaration of Conformity	Test Certificates	other
			Miscellaneous Environmental Conformations Miscellaneous

Railway	Dangerous Good
Confirmation Vibration and Shock	Transport Information

Further information
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=5SV4442-0

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV4442-0>

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

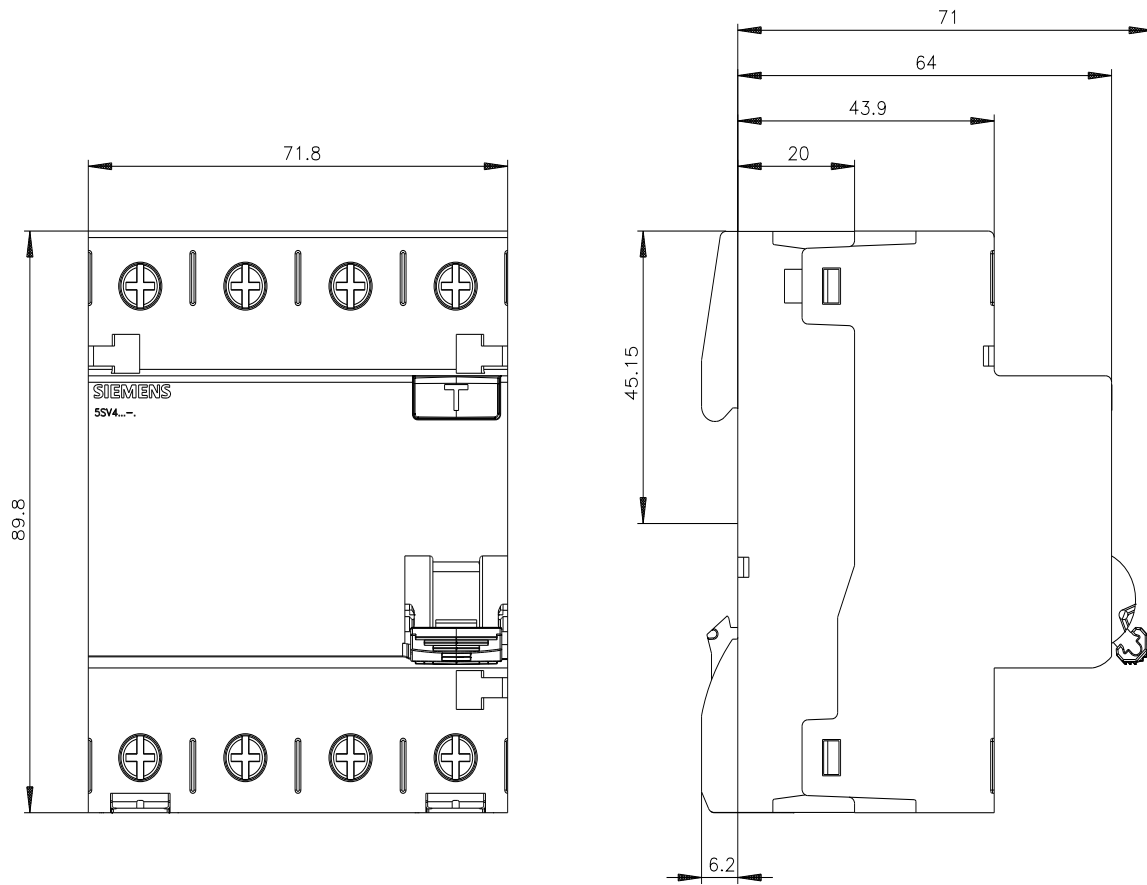
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV4442-0

CAX-Online-Generator

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

Tender specifications

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





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