

Residual current operated circuit breaker, 2-pole, type A, short-time delayed, In: 25 A, 30 mA, Un AC: 230 V



Model	
Product brand name	SENTRON
Product designation	RCCB
Design of the product	Short-time delayed
General technical data	
Number of poles	2
Size of installation devices / acc. to DIN 43880	1
Protection against electrical shock	Finger and back-of-hand safe
Short-circuit current rating	10 kA
circuit-breaker / Design	5SV3
Mechanical service life (switching cycles) / typical	10 000
Switching function / short-term delayed	Yes
Overvoltage category	III
Supply voltage	
Supply voltage	
• for testing equipment / minimum	195 V
Supply voltage frequency	
• rated value	50 Hz

Protection class	
Protection class IP	IP20, if the distribution board is installed, with connected conductors
Switching capacity	
Switching capacity current / according to IEC 61008-1 / rated value	0.5 kA
Dissipation	
Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole	0.8 W
Electricity	
Tripping residual current / rated value	30 mA
Type of fault current	A
Current / at AC / rated value	25 A
I ² t-value / permissible	15 620 A ² ·s
Surge current resistance / rated value	3 kA
Operating frequency	50/60Hz
Product details	
Product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
Number	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28
Connections	
Connectable conductor cross-section / stranded • minimum • maximum	0.75 mm ² 35 mm ²
Connectable conductor cross-section / solid • minimum • maximum	0.75 mm ² 35 mm ²
Tightening torque / with screw-type terminals • minimum • maximum	2.5 N·m 3 N·m
Position / of power supply cord	top or bottom
Mechanical Design	
Height	90 mm
Width	36 mm
Depth	70 mm
Mounting position	any
Installation depth	70 mm

Number of width units	2
Mounting type	DIN rail (REG)

Certificates

Reference identifier

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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General Product Approval

Declaration of Conformity



CCC



ÖVE



VDE

[Miscellaneous](#)



EG-Konf.

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=5SV3312-6KK01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3312-6KK01>

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

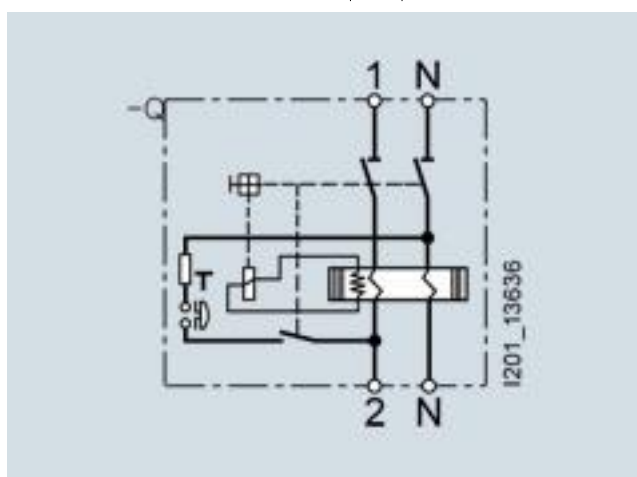
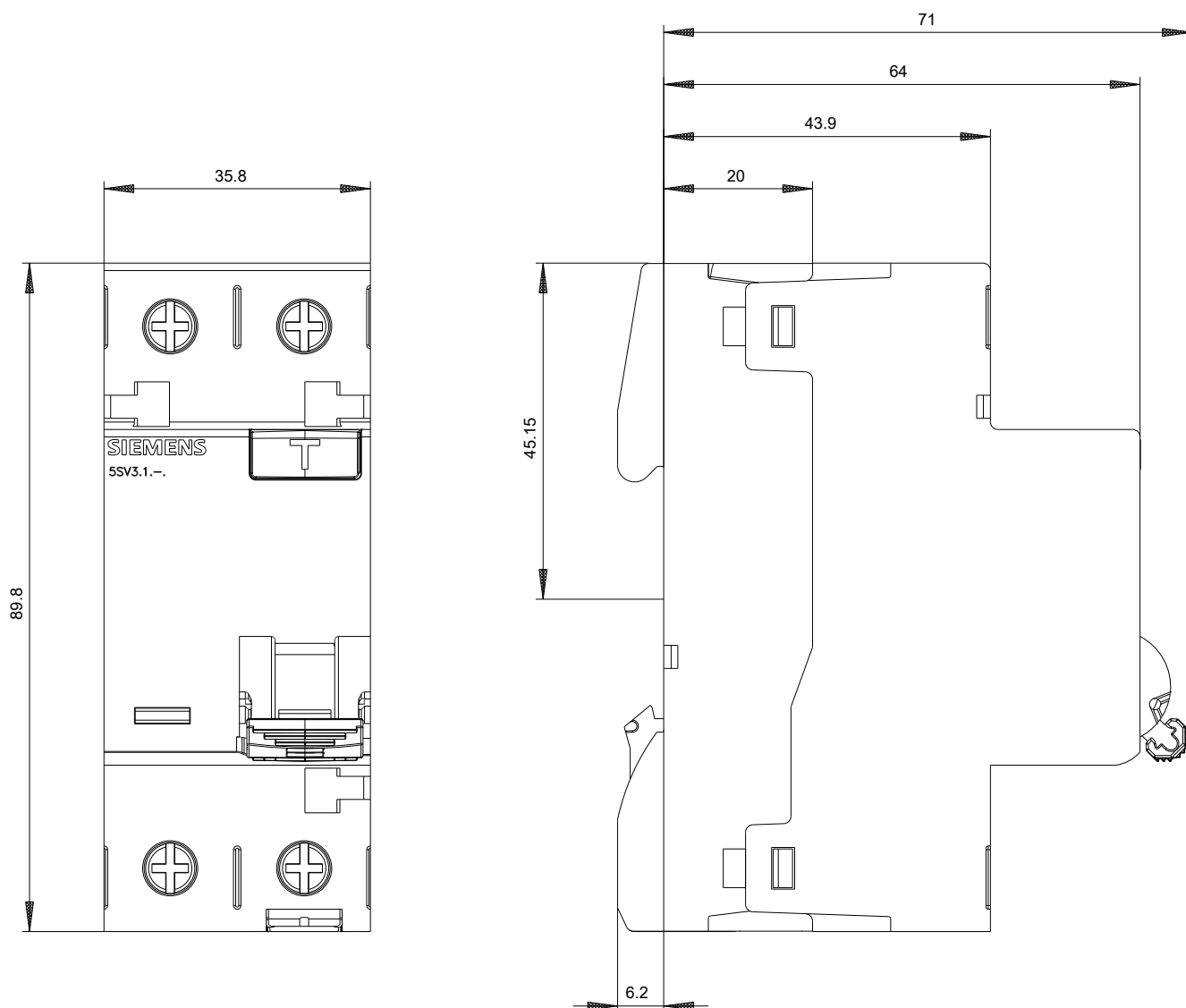
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3312-6KK01

CAX-Online-Generator

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

Tender specifications

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



Internal circuit diagram IEC

