

Residual current operated circuit breaker, 2-pole, type A, In: 25 A, 30 mA, Un AC: 230 V, SIGRES (harsh ambient conditions)



Model	
Product brand name	SENTRON
Product designation	RCCB
Design of the product	Instantaneous
Product variations	SIGRES (harsh ambient conditions)
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	No
Overvoltage category	III
Supply voltage	
Current / at AC / rated value	25 A
• Supply voltage / at AC / rated value	230 V

- Supply voltage / for testing equipment / minimum
- rated value

195 V

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

0.97 W

Current

Tripping residual current / rated value

30 mA

Tripping residual / rated value / derated current

- at 40 Cel
- at 45 Cel
- at 50 Cel
- at 55 Cel
- at 60 Cel
- at 65 Cel
- at 70 Cel

25 A

25 A

25 A

25 A

25 A

25 A

25 A

Type of fault current

A

I_{2t}-value / permissible58 000 A²·s

Surge current resistance / rated value

1 kA

Product details

Product feature / silicon-free

Yes

Product extension / can be installed / supplementary devices

Yes

Connections

Connectable conductor cross-section

- solid
- stranded

0.75 ... 35 mm²0.75 ... 35 mm²

Tightening torque / with screw-type terminals

2.5 ... 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 width units	2
Mounting type	DIN rail (REG)
Mounting position	any

Environmental conditions

Ambient temperature	-25 ... +45 °C
• during storage	-40 ... +75 °C

Certificates

Reference code	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

General Product Approval	Declaration of Conformity	other
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CCC



ÖVE



VDE

[Miscellaneous](#)



EG-Konf.

[Miscellaneous](#)

other	Railway
Confirmation	Vibration and Shock Confirmation

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=5SV3312-6KK12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3312-6KK12>

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

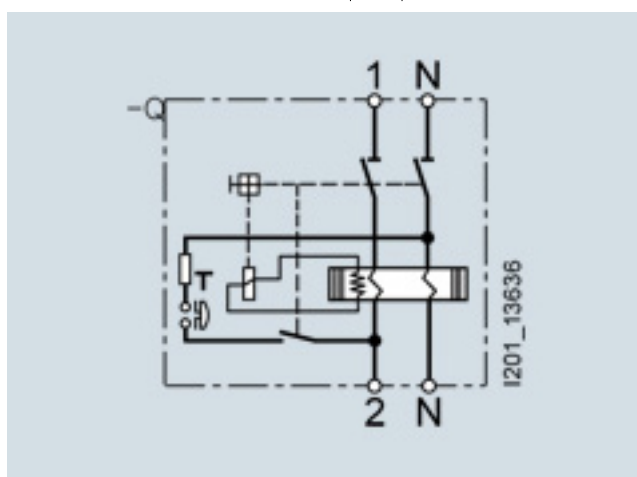
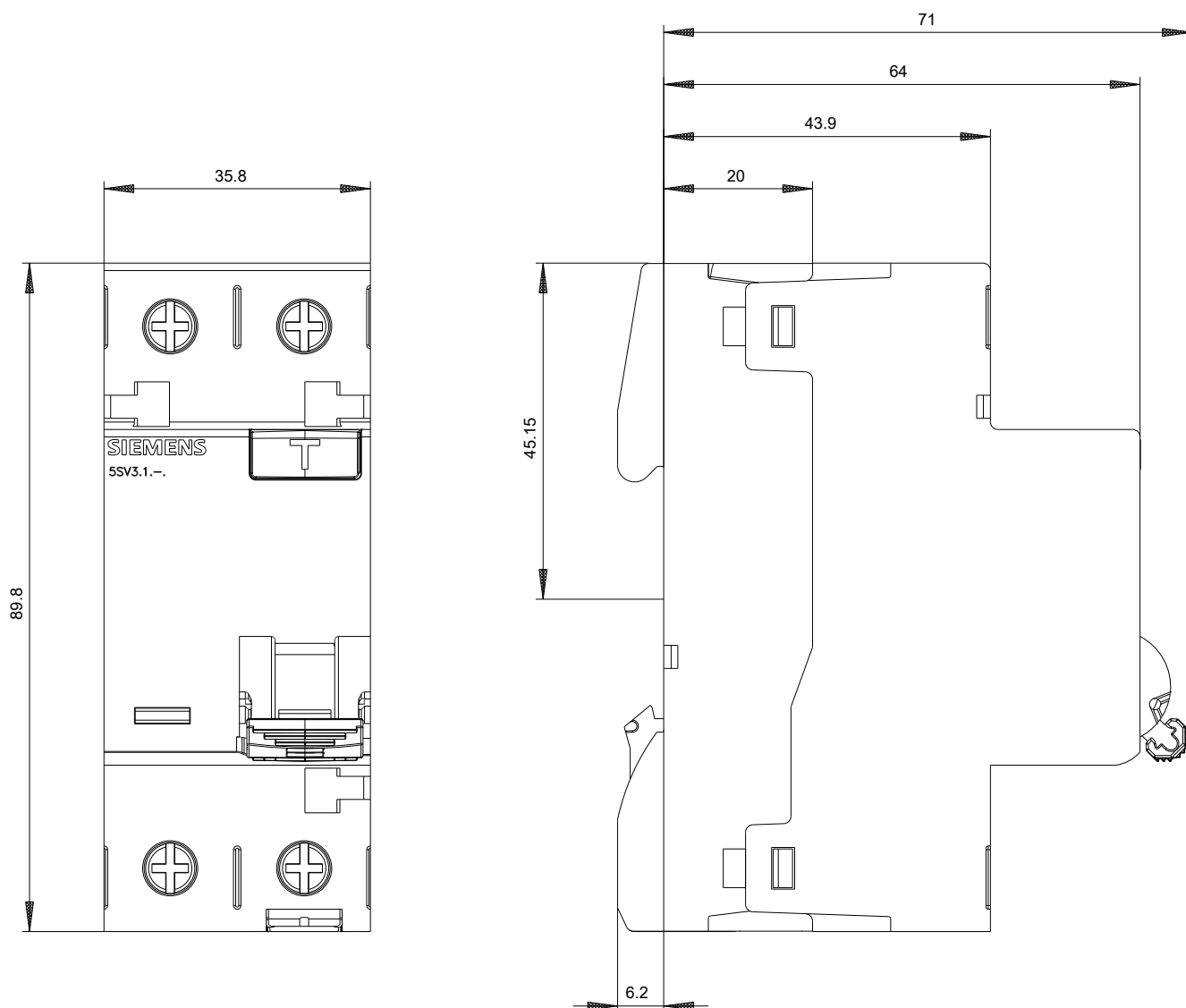
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3312-6KK12

CAX-Online-Generator

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

Tender specifications

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



-CB

