

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	
Supply voltage	
<ul style="list-style-type: none"> 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
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Switching capacity

Switching capacity current / according to IEC 61008-1 / rated value	0.5 kA
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Dissipation

Power loss [W]	0.97 W
<ul style="list-style-type: none"> • for rated value of the current / at AC / in hot operating state / per pole 	

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	1 kA

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
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Connections

Connectable conductor cross-section / stranded	0.75 mm ² 35 mm ²
<ul style="list-style-type: none"> • minimum • maximum 	
Connectable conductor cross-section / solid	0.75 mm ² 35 mm ²
<ul style="list-style-type: none"> • minimum • maximum 	
Tightening torque / with screw-type terminals	2.5 N·m 3 N·m
<ul style="list-style-type: none"> • minimum • maximum 	
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 F
- Reference identifier / acc. to DIN EN 81346-2 F

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=5SV3312-6KK12>

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, ...)

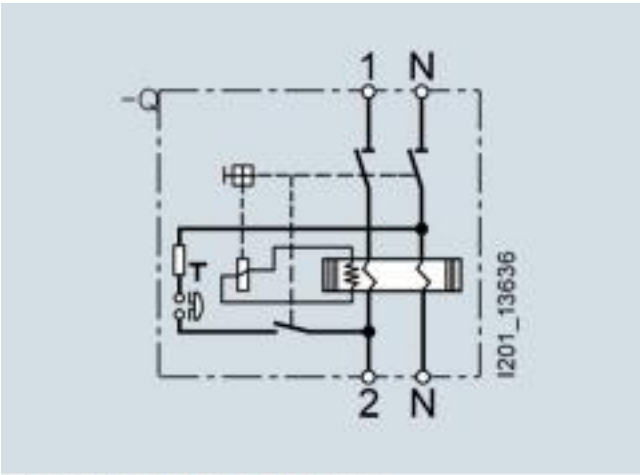
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3312-6KK12

CAX-Online-Generator

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

Tender specifications

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



Internal circuit diagram IEC

-CB

