

Residual current operated circuit breaker, 2-pole, Type AC, In: 25 A, 30 mA, Un AC: 230 V

Model	
Product brand name	SENTRON
Product designation	RCCB
Design of the product	Instantaneous

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 / of back-up fuse / maximum permissible	63 A
Short-circuit current rating	6 kA
circuit-breaker / Design	5SV5
Mechanical service life (switching cycles) / typical	2 000
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
• 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	1 W

Current	
Tripping residual current / rated value	30 mA
Tripping residual / rated value / derated current	

• at 40 Cel	25 A
Type of fault current	AC
I _{2t} -value / permissible	58 000 A ² ·s

Product details

Product feature / silicon-free	Yes
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Connections

Connectable conductor cross-section / stranded	
• minimum	0.75 mm ²
• maximum	35 mm ²
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	
• minimum	-25 °C
• maximum	45 °C
Ambient temperature / during storage	
• minimum permissible	-40 °C
• maximum permissible	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
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[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=5SV5312-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV5312-0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV5312-0

CAX-Online-Generator

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

Tender specifications

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