

Residual current operated circuit breaker, 2-pole, type A, In: 40 A, 30 mA, Un AC: 230 V, N left

Model	
Product brand name	SENTRON
Product designation	RCCB
Design of the product	Instantaneous
Product variations	N left
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	5SV5
Mechanical service life (switching cycles) / typical	10 000
Switching function / short-term delayed	No
Overvoltage category	III
Supply voltage	
Current / at AC / rated value	40 A
<ul style="list-style-type: none"> • Supply voltage / at AC / rated value • Supply voltage / for testing equipment / minimum • rated value 	230 V 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	2.6 W
Current	
Tripping residual current / rated value	30 mA
Tripping residual / rated value / derated current	
<ul style="list-style-type: none"> • at 40 Cel • at 45 Cel 	40 A 38.1 A

• at 50 Cel	35.59 A
• at 55 Cel	32.29 A
• at 60 Cel	28.19 A
• at 65 Cel	23.3 A
• at 70 Cel	17.62 A
Type of fault current	A
I ² t-value / permissible	58 000 A ² ·s
Surge current resistance / rated value	1 kA

Product details

Product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	No

Connections

Connectable conductor cross-section	
• solid	0.75 ... 35 mm ²
• stranded	0.75 ... 35 mm ²
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
Net weight	200 g

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



[Miscellaneous](#)



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=5SV5314-6KL>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV5314-6KL>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV5314-6KL

CAX-Online-Generator

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

Tender specifications

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