

RCBO elm, 4,5 kA, 1P+N, type AC, 30 mA, C-char, In: 40 A, Un AC: 230 V

Model	
product brandname	SENTRON
Product designation	RCBO
Design of the product	Instantaneous

General technical data	
Number of poles	2
Number of poles / Note	1P+N
Number of poles / with protection	1
Tripping characteristic class	C
circuit-breaker / Design	5SU1
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	III

Voltage	
Surge current resistance / at (8/20) µs	1 kA

Supply voltage	
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
Energy limiting class	3

Switching capacity	
Switching capacity current	
• acc. to EN 60898 / rated value	4.5 kA
• acc. to IEC 60947-2 / rated value	6 kA

Dissipation	
Power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	7.8 W
• maximum	15.6 W

Electricity	
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Tripping residual current / rated value	30 mA
rated current I_n / IEC, DIN/VDE / at 40 °C	37.6 A
Type of fault current	AC
Current / at AC / rated value	40 A

Product details

Product feature / Touch protection	Yes
Product feature	
• halogen-free	Yes
• silicon-free	Yes

Product function

Product function / neutral conductor switching	Yes
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Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	26
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Connections

Connectable conductor cross-section / stranded	
• minimum	0.75 mm ²
• maximum	35 mm ²
Connectable conductor cross-section	
• solid	
— minimum	0.75 mm ²
— maximum	35 mm ²
• finely stranded / with core end processing	
— minimum	0.75 mm ²
— maximum	25 mm ²
Tightening torque / with screw-type terminals	
• minimum	2.5 N·m
• maximum	3 N·m
Position / of power supply cord	Either top or bottom

Mechanical Design

Mounting position	any
Installation depth	70 mm
Number of width units	2
Net weight	291 g

Environmental conditions

Degree of pollution	2
Influence of the surrounding temperature	Max. 95% humidity
Ambient temperature	
• minimum	-25 °C
• maximum	55 °C

- during storage / minimum
- during storage / maximum

-40 °C

75 °C

Certificates

Equipment marking

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

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General Product Approval

Declaration of Conformity



CCC



IMQ



ÖVE

[sonstig](#)



RCM



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=5SU1353-1KK40>

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

<http://support.automation.siemens.com/WW/view/en/5SU1353-1KK40/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1353-1KK40

CAX-Online-Generator

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

Tender specifications

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