



RCBO, 10 kA, 1P+N, Type AC, 100 mA, C-Char, In: 16 A, Un AC: 230 V

Model	
product brand name	SENTRON
product designation	RCBO
design of the product	Instantaneous
General technical data	
number of poles	2
number of poles with protection	1
design of pole	1P+N
tripping characteristic class	C
mechanical service life (operating cycles) typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui) rated value	264 V
surge voltage resistance rated value	4 000 V
surge current resistance at (8/20) μ s	1 kA
Supply voltage	
supply voltage	
• at AC rated value	230/240 V
• for testing equipment minimum	100 V
operating frequency	50 Hz
supply voltage frequency rated value	50 Hz
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
Switching capacity	
short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value	10 kA
switching capacity current	
• according to EN 60898 rated value	10 kA
• according to IEC 60947-2 rated value	20 kA
rated residual switching capacity (I Δ m) according to IEC 61009-1	10 kA
energy limitation class	3
Dissipation	
power loss [W]	
• maximum	2.8 W
operational current	
• at 30 °C rated value	16 A
• at 40 °C rated value	15.2 A
• at 45 °C rated value	14.88 A

- at 50 °C rated value 14.4 A
- at 55 °C rated value 13.92 A
- at 60 °C rated value 13.6 A
- at 65 °C rated value 12.96 A
- at 70 °C rated value 12.32 A

Product details

- product feature
- halogen-free Yes
 - silicon-free Yes

Connections

- connectable conductor cross-section solid
- minimum 0.75 mm²
 - maximum 35 mm²
- connectable conductor cross-section stranded
- minimum 0.75 mm²
 - maximum 35 mm²
- connectable conductor cross-section finely stranded with core end processing
- minimum 0.75 mm²
 - maximum 25 mm²
- 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

- height 90 mm
- width 36 mm
- depth 77 mm
- installation depth 70 mm
- number of modular width units 2
- mounting position any
- net weight 283 g
- weight with packaging 283 g

Environmental conditions

- influence of the surrounding temperature Max. 95% humidity
- ambient temperature during operation
- minimum -25 °C
 - maximum 55 °C
- ambient temperature during storage
- minimum -40 °C
 - maximum 75 °C
- number of test cycles for environmental testing according to IEC 60068-2-30 28

General Product Approval

[Confirmation](#)



[Miscellaneous](#)



EMC

Declaration of Conformity

Test Certificates

other



[Special Test Certificate](#)

[Miscellaneous](#)

[Miscellaneous](#)

other

Railway

Dangerous Good

Environment

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=5SU1454-1KK16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1454-1KK16>

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

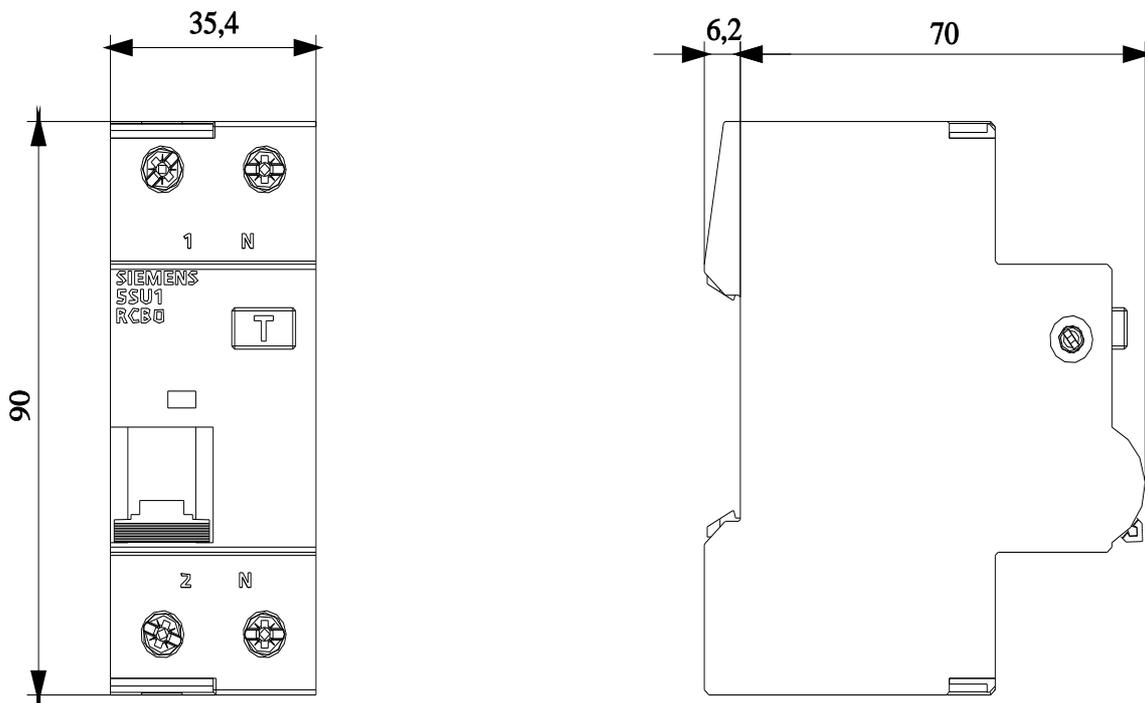
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1454-1KK16

CAX-Online-Generator

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

Tender specifications

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



last modified:

3/1/2023

