



RCBO, Icn: 10 kA, 2P, type A, 30 mA, B char., In: 20 A, Un AC: 110 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	2
design of pole	2P
tripping characteristic class	B
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) $\mu$ s	1 kA
Supply voltage	
supply voltage	
• at AC rated value	110/120 V
• for testing equipment minimum	100 V
operating frequency	50/60 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 $\Delta$ m) according to IEC 61009-1	10 kA
energy limitation class	3
Dissipation	
power loss [W]	
• maximum	5.7 W
operational current	
• at 30 °C rated value	20 A
• at 40 °C rated value	18.8 A
• at 45 °C rated value	18.2 A

- at 50 °C rated value 17.4 A
- at 55 °C rated value 16.2 A
- at 60 °C rated value 16.2 A
- at 65 °C rated value 15.4 A
- at 70 °C rated value 14.6 A

### Product details

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

### Connections

- connectable conductor cross-section solid
- minimum 0.75 mm<sup>2</sup>
  - maximum 35 mm<sup>2</sup>
- connectable conductor cross-section stranded
- minimum 0.75 mm<sup>2</sup>
  - maximum 35 mm<sup>2</sup>
- connectable conductor cross-section finely stranded with core end processing
- minimum 0.75 mm<sup>2</sup>
  - maximum 25 mm<sup>2</sup>
- 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 54 mm
- depth 77 mm
- installation depth 70 mm
- number of modular width units 3
- mounting position any
- net weight 412 g
- weight with packaging 412 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 Declaration of Conformity Test Certificates

[Confirmation](#)

[Miscellaneous](#)



[Special Test Certificate](#)

### other Railway Dangerous Good

[Confirmation](#)

[Miscellaneous](#)

[Miscellaneous](#)

[Vibration and Shock](#)

[Confirmation](#)

[Transport Information](#)

### 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=5SU1324-6KX20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1324-6KX20>

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

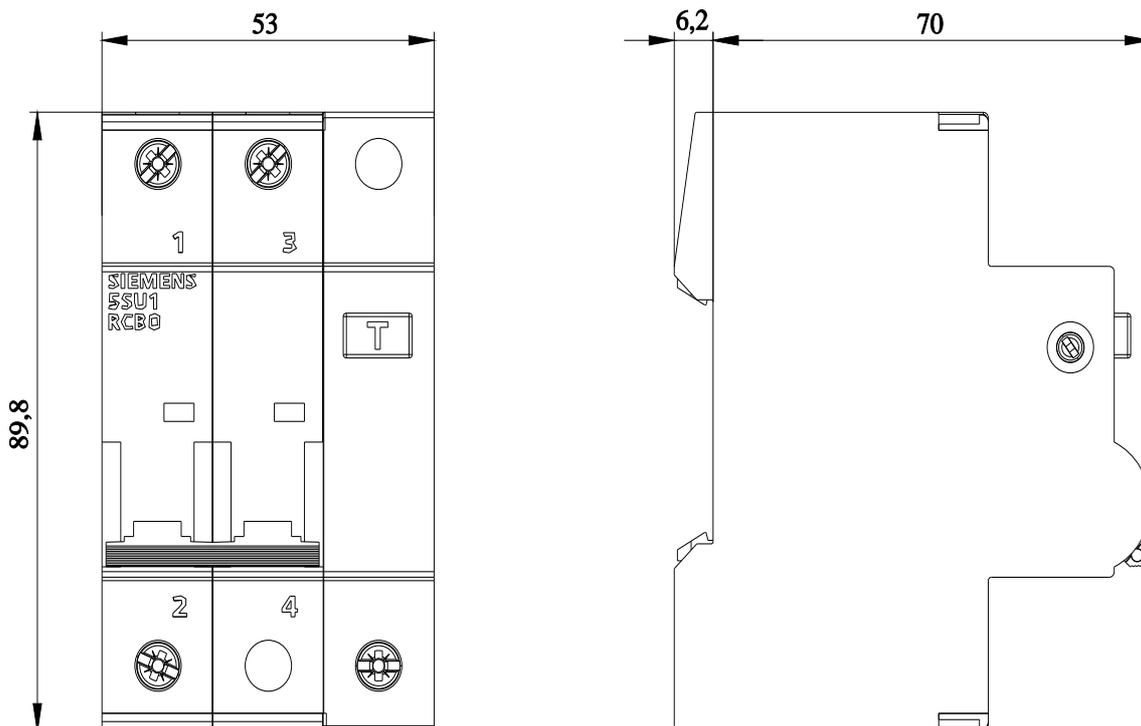
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1324-6KX20](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1324-6KX20)

**CAX-Online-Generator**

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

**Tender specifications**

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



last modified:

4/4/2023

