

RCBO, 10 kA, 1P+N, Type AC, 300 mA, C-Char, In: 32 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) $\mu$ 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	15 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
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
- maximum

2.5 N·m

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

275 g

weight with packaging

275 g

### Environmental conditions

influence of the surrounding temperature

Max. 95% humidity

ambient temperature during operation

- minimum
- maximum

-25 °C

55 °C

ambient temperature during storage

- minimum
- maximum

-40 °C

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



[Miscellaneous](#)

[Special Test Certificate](#)

[Miscellaneous](#)

other

Railway

Dangerous Good

Environment

[Confirmation](#)

[Miscellaneous](#)

[Vibration and Shock](#)

[Confirmation](#)

[Transport Information](#)

[Environmental Confirmations](#)

### Further information

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=5SU1654-1KK32>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1654-1KK32>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1654-1KK32](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1654-1KK32)

CAx-Online-Generator

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

Tender specifications

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



