



RCBO, 10 kA, 1P+N, type A, 30 mA, C-Char, In: 20 A, Un AC: 230 V, pigtail 600 mm, solid N

| Model                                                                             |                                                                         |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| product brand name                                                                | SENTRON                                                                 |
| product designation                                                               | RCD-operated circuit breaker                                            |
| 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) µs                                             | 1 kA                                                                    |
| Supply voltage                                                                    |                                                                         |
| supply voltage                                                                    |                                                                         |
| • at AC rated value                                                               | 230/240 V                                                               |
| • for testing equipment minimum                                                   | 115 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                                            | 10 kA                                                                   |
| residual switching capacity (IΔm) according to IEC 61009-1                        | 10 kA                                                                   |
| energy limitation class                                                           | 3                                                                       |
| Dissipation                                                                       |                                                                         |
| power loss [W]                                                                    |                                                                         |
| • for rated value of the current at AC in hot operating state per pole            | 0.75 W                                                                  |
| • maximum                                                                         | 0.8 W                                                                   |
| Product details                                                                   |                                                                         |
| product feature                                                                   |                                                                         |

- halogen-free
- silicon-free

Yes  
Yes

## Connections

connectable conductor cross-section using the upper clamping point without core end processing

- minimum
- maximum

0.75 mm<sup>2</sup>  
16 mm<sup>2</sup>

connectable conductor cross-section solid

- minimum
- maximum

0.75 mm<sup>2</sup>  
35 mm<sup>2</sup>

connectable conductor cross-section stranded

- minimum
- maximum

0.75 mm<sup>2</sup>  
35 mm<sup>2</sup>

connectable conductor cross-section finely stranded with core end processing

- minimum
- maximum

0.75 mm<sup>2</sup>  
25 mm<sup>2</sup>

tightening torque with screw-type terminals

- minimum
- maximum

1.2 N·m  
2 N·m

position of power supply cord

Either top or bottom

## Mechanical Design

height

125 mm

width

18 mm

depth

77 mm

installation depth

70 mm

number of modular width units

1

mounting position

any

net weight

250 g

weight with packaging

260 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

## EMC

## Declaration of Conformity

[Confirmation](#)

[Miscellaneous](#)



## other

## Environment

[Miscellaneous](#)

[Confirmation](#)

[Environmental Conformations](#)

## 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=5SU9304-7KK20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU9304-7KK20>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU9304-7KK20](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU9304-7KK20)

CAX-Online-Generator

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

Tender specifications

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



