



RCBO, 6 kA, 4P Type A, 30 mA, C-Char, In: 16A Un: 400V

| Model                                                                             |                                                                         |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| product brand name                                                                | SENTRON                                                                 |
| product designation                                                               | RCBO                                                                    |
| design of the product                                                             | Instantaneous                                                           |
| General technical data                                                            |                                                                         |
| number of poles                                                                   | 4                                                                       |
| number of poles with protection                                                   | 4                                                                       |
| design of pole                                                                    | 4P                                                                      |
| tripping characteristic class                                                     | C                                                                       |
| mechanical service life (operating cycles) typical                                | 10 000                                                                  |
| overvoltage category                                                              | III                                                                     |
| degree of pollution                                                               | 3                                                                       |
| Voltage                                                                           |                                                                         |
| type of voltage of the operating voltage                                          | AC                                                                      |
| insulation voltage (Ui) rated value                                               | 500 V                                                                   |
| surge voltage resistance rated value                                              | 4 000 V                                                                 |
| surge current resistance at (8/20) µs                                             | 0.25 kA                                                                 |
| Supply voltage                                                                    |                                                                         |
| supply voltage                                                                    |                                                                         |
| • at AC rated value                                                               | 400 V                                                                   |
| • for testing equipment minimum                                                   | 195 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 | 6 kA                                                                    |
| switching capacity current                                                        |                                                                         |
| • according to EN 60898 rated value                                               | 6 kA                                                                    |
| • according to IEC 60947-2 rated value                                            | 6 kA                                                                    |
| residual switching capacity (IΔm) according to IEC 61009-1                        | 4.5 kA                                                                  |
| energy limitation class                                                           | 3                                                                       |
| Dissipation                                                                       |                                                                         |
| power loss [W]                                                                    |                                                                         |
| • maximum                                                                         | 2.3 W                                                                   |
| Current                                                                           |                                                                         |
| tripping fault current rated value                                                | 30 mA                                                                   |
| operational current                                                               |                                                                         |

- at 30 °C rated value
- at 40 °C rated value
- at 45 °C rated value
- at 50 °C rated value
- at 55 °C rated value
- at 60 °C rated value
- at AC rated value

16 A  
15.2 A  
14.8 A  
14.3 A  
13.9 A  
13.4 A  
16 A  
A

residual current type

#### Product details

product feature

- halogen-free

No

#### Connections

connectable conductor cross-section solid

- minimum
- maximum

1 mm<sup>2</sup>  
35 mm<sup>2</sup>

connectable conductor cross-section stranded

- minimum
- maximum

1 mm<sup>2</sup>  
35 mm<sup>2</sup>

connectable conductor cross-section finely stranded with core end processing

- minimum
- maximum

1 mm<sup>2</sup>  
35 mm<sup>2</sup>

tightening torque with screw-type terminals

- minimum
- maximum

2 N·m  
2 N·m

position of power supply cord

Either top or bottom

#### Mechanical Design

height

85 mm

width

72 mm

depth

72 mm

installation depth

70 mm

number of modular width units

4

mounting position

any

net weight

446 g

weight with packaging

496 g

#### Environmental conditions

influence of the surrounding temperature

Max. 95% humidity

ambient temperature during operation

- minimum
- maximum

-25 °C  
40 °C

ambient temperature during storage

- minimum
- maximum

-40 °C  
70 °C

number of test cycles for environmental testing according to IEC 60068-2-30

28

#### General Product Approval

#### Declaration of Conformity



[Confirmation](#)

[Miscellaneous](#)



other

Dangerous Good

[Miscellaneous](#)

[Environmental Con-  
firmations](#)

[Miscellaneous](#)

[Transport Informa-  
tion](#)

#### 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=5SU1346-7FP16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1346-7FP16>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1346-7FP16](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1346-7FP16)

**CAX-Online-Generator**

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

**Tender specifications**

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



