



Figure similar

RCBO, 4.5 kA, 1-pole+N, type AC, 30 mA, C char, In: 10 A, Un AC: 230 V, use of these devices is not permitted in all countries. Observe national installation regulations!

| 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) µs                         | 1 kA                                                                    |
| tripping fault current rated value                            | 30 mA                                                                   |
| operational current                                           |                                                                         |
| • at 30 °C rated value                                        | 10 A                                                                    |
| • at 40 °C rated value                                        | 9.5 A                                                                   |
| • at 45 °C rated value                                        | 9.3 A                                                                   |
| • at 50 °C rated value                                        | 9 A                                                                     |
| • at 55 °C rated value                                        | 8.7 A                                                                   |
| • at 60 °C rated value                                        | 8.5 A                                                                   |
| • at 65 °C rated value                                        | 8.2 A                                                                   |
| • at 70 °C rated value                                        | 8 A                                                                     |
| • at AC rated value                                           | 10 A                                                                    |
| residual current type                                         | AC                                                                      |
| Supply voltage                                                |                                                                         |
| supply voltage                                                |                                                                         |
| • at AC rated value                                           | 230/240 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 |
| Breaking Capacity                                             |                                                                         |
| short-circuit current breaking capacity (Icn) according to EN | 4.5 kA                                                                  |

|                                                                           |        |
|---------------------------------------------------------------------------|--------|
| 61009-1 rated value                                                       |        |
| switching capacity current                                                |        |
| • according to EN 60898 rated value                                       | 4.5 kA |
| • according to IEC 60947-2 rated value                                    | 15 kA  |
| rated residual switching capacity (I $\Delta$ m) according to IEC 61009-1 | 4.5 kA |
| energy limitation class                                                   | 3      |

#### Dissipation

|                |       |
|----------------|-------|
| power loss [W] |       |
| • maximum      | 1.6 W |

#### Product details

|                        |     |
|------------------------|-----|
| <b>product feature</b> |     |
| • 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                         | 36 mm |
| depth                         | 77 mm |
| installation depth            | 70 mm |
| number of modular width units | 2     |
| mounting position             | any   |
| net weight                    | 251 g |
| weight with packaging         | 271 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                |

#### Approvals Certificates

|                          |
|--------------------------|
| General Product Approval |
|--------------------------|



[Confirmation](#)



|                          |     |                   |       |
|--------------------------|-----|-------------------|-------|
| General Product Approval | EMV | Test Certificates | other |
|--------------------------|-----|-------------------|-------|

[Miscellaneous](#)



[Special Test Certificate](#)

[Miscellaneous](#)

[Miscellaneous](#)

| other | Railway |  | Dangerous Good |  | Environment |
|-------|---------|--|----------------|--|-------------|
|-------|---------|--|----------------|--|-------------|

[Confirmation](#)

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[Transport Information](#)

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## Environment

[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=5SU1353-1KK10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1353-1KK10>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1353-1KK10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1353-1KK10)

CAX-Online-Generator

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

Tender specifications

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



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