



RCBO, 6 kA, 1P+N, type A, 30 mA, C-Char, In: 20 A, Un AC: 230 V

Figure similar

| 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) μ s | 1 kA |
| tripping fault current rated value | 30 mA |
| 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 |
| • at AC rated value | 20 A |
| residual current type | A |
| 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 | 6 kA |

| | |
|---|-------|
| 61009-1 rated value | |
| switching capacity current | |
| • according to EN 60898 rated value | 6 kA |
| • according to IEC 60947-2 rated value | 15 kA |
| rated residual switching capacity (I _{Δm}) according to IEC 61009-1 | 6 kA |
| energy limitation class | 3 |

Dissipation

| | |
|----------------|-------|
| power loss [W] | |
| • maximum | 3.3 W |

Product details

| | |
|---|-----|
| product feature touch protection | Yes |
| product component neutral conductor switching | Yes |
| product feature | |
| • halogen-free | Yes |
| • silicon-free | Yes |

Connections

| | |
|--|----------------------|
| connectable conductor cross-section solid | |
| • minimum | 0.75 mm ² |
| • maximum | 35 mm ² |
| connectable conductor cross-section stranded | |
| • minimum | 0.75 mm ² |
| • maximum | 35 mm ² |
| connectable conductor cross-section finely stranded with core end processing | |
| • minimum | 0.75 mm ² |
| • maximum | 25 mm ² |
| 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 | 281 g |
| weight with packaging | 289 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 | Marine / Shipping |
|--------------------------|-----|-------------------|-------------------|

[Miscellaneous](#)



[Special Test Certificate](#)

[Miscellaneous](#)



| other | | | Railway | | Dangerous goods |
|-------|--|--|---------|--|-----------------|
|-------|--|--|---------|--|-----------------|

[Miscellaneous](#)

[Confirmation](#)

[Miscellaneous](#)

[Special Test Certificate](#)

[Confirmation](#)

[Transport Information](#)

Environment

[Environmental Confirmations](#)

[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=5SU1356-7KK20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1356-7KK20>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1356-7KK20

CAX-Online-Generator

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

Tender specifications

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



last modified:

7/5/2024 

