



RCBO, 6 kA, 1P+N, Type AC, 300 mA, C-Char, In: 10 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 |
| tripping characteristic class | C |
| mechanical service life (switching 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 |
| 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 | |
| breaking capacity short-circuit current (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 | 15 kA |
| rated residual switching capacity (I Δ m) / according to IEC 61009-1 | 6 kA |
| energy limitation class | 3 |
| Dissipation | |
| power loss [W] | |
| • for rated value of the current / at AC / in hot operating state / per pole | 1.6 W |
| • maximum | 3.2 W |
| Current | |



| | |
|--|----------------------|
| tripping fault current / rated value | 300 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 |
| Product details | |
| product component / neutral conductor switching | Yes |
| product feature / touch protection | 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 | 268 g |
| weight / with packaging | 268 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 |
| Certificates | |
| reference code | |
| • according to EN 61346-2 | F |
| • according to IEC 81346-2 | F |
| General Product Approval | |

[Confirmation](#)



[Miscellaneous](#)



| EMC | Declaration of Conformity | Test Certificates | other | | Railway |
|--|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
|  RCM |  EG-Konf. | Miscellaneous | Miscellaneous | Miscellaneous | Vibration and Shock |

| Railway | Dangerous Good |
|------------------------------|---------------------------------------|
| Confirmation | Transport Information |

Further information

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=5SU1656-1KK10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1656-1KK10>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1656-1KK10

CAX-Online-Generator

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

Tender specifications

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

