

RCBO, 10 kA, 1P+N, Type AC, 300 mA, B char., In: 6 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 / Note | 1P+N |
| Number of poles / with protection | 1 |
| Tripping characteristic class | B |
| circuit-breaker / Design | 5SU1 |
| Mechanical service life (switching cycles) / typical | 10 000 |
| Oversoltage category | III |
| Voltage | |
| Surge current resistance / at (8/20) μ s | 1 kA |
| Supply voltage | |
| Type of voltage | AC |
| Current / at AC / rated value | 6 A |
| Supply voltage | |

| | |
|--|---|
| • for testing equipment / minimum | 100 V |
| 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 (I _{cn}) / according to EN 61009-1 / rated value | 10 kA |
| Switching capacity current | |
| • acc. to EN 60898 / rated value | 10 kA |
| • acc. to IEC 60947-2 / rated value | 35 kA |
| Rated residual switching capacity (I _{Δm}) / according to IEC 61009-1 | 10 kA |
| Energy limiting class | 3 |
| Dissipation | |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 2.7 W |
| Current | |
| Tripping residual current / rated value | 300 mA |
| Tripping residual / rated value / derated current | |
| • at 30 Cel | 6 A |
| • at 40 Cel | 5.7 A |
| • at 45 Cel | 5.58 A |
| • at 50 Cel | 5.4 A |
| • at 55 Cel | 5.22 A |
| • at 60 Cel | 5.1 A |
| • at 65 Cel | 4.86 A |
| • at 70 Cel | 4.62 A |
| Type of fault current | AC |
| Product details | |
| Product function / neutral conductor switching | Yes |
| Product feature / Touch protection | Yes |
| Product feature | |
| • halogen-free | Yes |
| • silicon-free | Yes |
| Connections | |
| • Connectable conductor cross-section | |
| — solid | 0.75 ... 35 mm ² |
| — stranded | 0.75 ... 35 mm ² |
| • Connectable conductor cross-section / finely stranded / with core end processing | 0.75 ... 25 mm ² |

| | |
|---|----------------------|
| Tightening torque / with screw-type terminals | 2.5 ... 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 width units | 2 |
| Mounting position | any |
| Net weight | 264 g |

Environmental conditions

| | |
|--|-------------------|
| Influence of the surrounding temperature | Max. 95% humidity |
| Ambient temperature | -25 ... +55 °C |
| • during storage | -40 ... +75 °C |

Certificates

| | |
|--------------------------|---|
| Reference code | |
| • acc. to DIN EN 61346-2 | F |
| • acc. to DIN EN 81346-2 | F |

General Product Approval

Declaration of Conformity

Test Certificates



[Miscellaneous](#)



[Special Test Certificate](#)

| Test Certificates | other | Railway |
|-------------------------------|-------------------------------|-------------------------------------|
| Miscellaneous | Miscellaneous | Vibration and Shock |
| | | Confirmation |

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=5SU1654-0KK06>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1654-0KK06>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1654-0KK06

CAX-Online-Generator

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



