

RCBO, 10 kA, 1P+N, type A, short-time-delayed G, super-resistant K, 30 mA, B char., In: 13 A, Un AC: 230 V



| Model | |
|--|---|
| Product brand name | SENTRON |
| Product designation | RCBO |
| Design of the product | short-time delayed G, super resistant K |
| 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 |
| Overvoltage category | III |
| Degree of pollution | 2 |
| Voltage | |
| Surge current resistance / at (8/20) μ s | 3 kA |
| Supply voltage | |
| Type of voltage | AC |
| Current / at AC / rated value | 13 A |

| | |
|--|--------------------|
| Supply voltage | |
| <ul style="list-style-type: none"> • at AC / rated value • for testing equipment / minimum | 230/240 V 195 V |
| Operating frequency | 50/60 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 (I _{cn}) / according to EN 61009-1 / rated value | 10 kA |
| Switching capacity current | |
| <ul style="list-style-type: none"> • acc. to EN 60898 / rated value • acc. to IEC 60947-2 / rated value | 10 kA 20 kA |
| Rated residual switching capacity (I _{Δm}) / according to IEC 61009-1 | 10 kA |
| Energy limiting class | 3 |

| | |
|---|----------------|
| Dissipation | |
| Power loss [W] | |
| <ul style="list-style-type: none"> • for rated value of the current / at AC / in hot operating state / per pole • maximum | 2.4 W 4.8 W |

| | |
|--|---|
| Current | |
| Tripping residual current / rated value | 30 mA |
| Tripping residual / rated value / derated current | |
| <ul style="list-style-type: none"> • at 30 Cel • at 40 Cel • at 45 Cel • at 50 Cel • at 55 Cel • at 60 Cel • at 65 Cel • at 70 Cel | 13 A 12.48 A 12.22 A 11.96 A 11.57 A 11.31 A 10.53 A 10.01 A |
| Type of fault current | A |

| | |
|--|------------|
| Product details | |
| Product function / neutral conductor switching | Yes |
| Product feature / Touch protection | Yes |
| Product feature | |
| <ul style="list-style-type: none"> • halogen-free • silicon-free | Yes 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 width units | 2 |
| Mounting position | any |
| Net weight | 286 g |

Environmental conditions

| | |
|--|-------------------|
| Influence of the surrounding temperature | Max. 95% humidity |
| Ambient temperature | |
| • minimum | -25 °C |
| • maximum | 55 °C |
| Ambient temperature / during storage | |
| • minimum | -40 °C |
| • maximum | 75 °C |
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30 | 28 |

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 | other |
|--|--|---|--|
|  VDE |  RCM |  EG-Konf. | Miscellaneous Special Test Certificate Miscellaneous |

Railway

[Vibration and Shock](#)

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=5SU1354-6LB13>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1354-6LB13>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1354-6LB13

CAX-Online-Generator

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

Tender specifications

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



