SIEMENS

## Data sheet 5SU1354-4KK06

RCBO, 10 kA, 1P+N, type F, super-resistant K, 30 mA, C-Char, In: 6 A, Un AC: 230 V



| Model | |
|---|---|
| Product brand name | SENTRON |
| Product designation | RCBO |
| Design of the product | 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 | C |
| 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) µs | 3 kA |

| Supply voltage | |
|---|---|
| Type of voltage | AC |
| Operating current / at AC / rated value | 6 A |


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| | |
|---|---|
| Supply voltage | |
| • at AC / rated value | 230/240 V |
| • for testing equipment / minimum | 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 (Icn) / 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 (IΔm) / 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 | 1.9 W |
| • maximum | 3.8 W |

## Current

| | |
|---|---|
| Tripping residual current / rated value | 30 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 | F |

## Product details

| | |
|---|---|
| Product function / neutral conductor switching | Yes |
| Product feature / Touch protection | Yes |
| Product feature | |
| • halogen-free | Yes |
| • silicon-free | Yes |


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| Connections | |
|---|---|
| Connectable conductor cross-section / solid | |
| • minimum | 0.75 mm² |
| • maximum | 35 mm² |
| Connectable conductor cross-section / stranded | |
| • minimum | 0.75 mm² |
| • maximum | 35 mm² |
| Connectable conductor cross-section / finely stranded / with core end processing | |
| • minimum | 0.75 mm² |
| • maximum | 25 mm² |
| 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 | 282 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 |


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| General Product Approval | | Declaration of Conformity | Test Certificates | | other |
|---|---|---|---|---|---|
| VDE | Miscellaneous | EG-Konf. | Special Test Certificate | Miscellaneous | Miscellaneous |

| Railway | |
|---|---|
| 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=5SU1354-4KK06

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/5SU1354-4KK06

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1354-4KK06

**CAx-Online-Generator**
http://www.siemens.com/cax

**Tender specifications**
http://www.siemens.com/specifications


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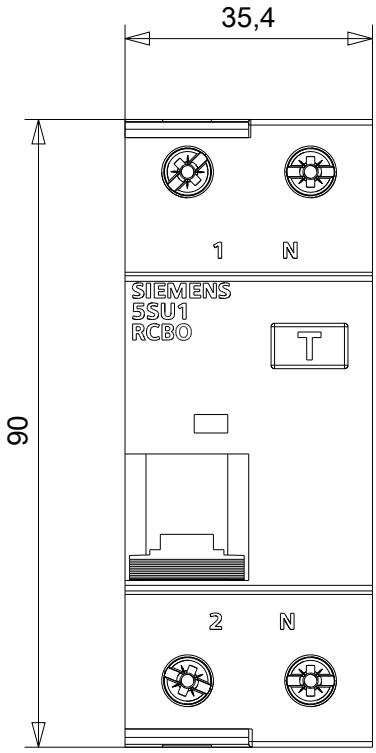


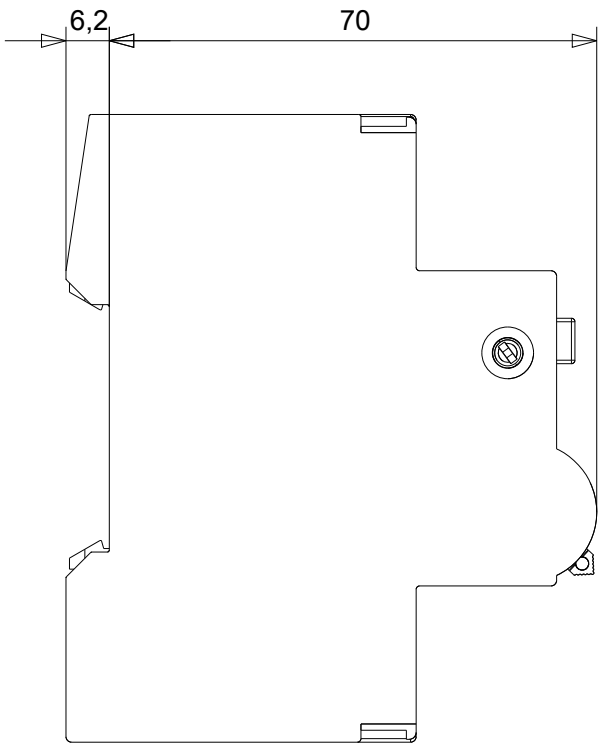



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