



Figure similar

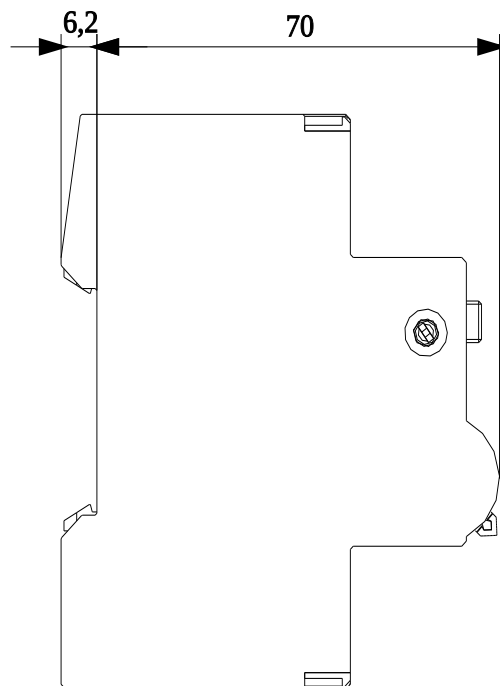
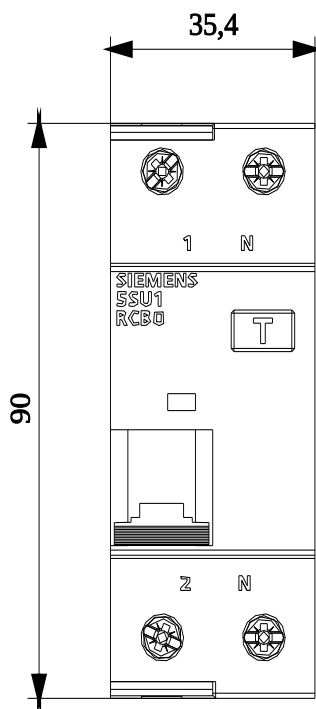
RCBO, Icn: 10 kA, 1P+N, type A, 30 mA, B char., In: 10 A, Un AC: 230 V, bulk packaging

| 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                      | B                                                                       |
| mechanical service life (operating cycles) typical | 10 000                                                                  |
| overvoltage category                               | 3                                                                       |
| 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) µs              | 1 kA                                                                    |
| tripping fault current rated value                 | 30 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                                                                     |
| • operational current at AC rated value            | 10 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                                                                              |                                             |                               |
|------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------------------|
| switching capacity current                                                                     | • according to EN 60898 rated value         | 10 kA                         |
|                                                                                                | • according to IEC 60947-2 rated value      | 20 kA                         |
| short-circuit current breaking capacity (I <sub>cn</sub> ) according to EN 61009-1 rated value |                                             | 10 kA                         |
| rated residual switching capacity (I <sub>Δm</sub> ) according to IEC 61009-1                  |                                             | 10 kA                         |
| energy limitation class                                                                        |                                             | 3                             |
| Dissipation                                                                                    |                                             |                               |
| power loss [W]                                                                                 |                                             |                               |
|                                                                                                | • maximum                                   | 1.8 W                         |
| Product details                                                                                |                                             |                               |
| product feature touch protection                                                               |                                             | Yes                           |
| product component neutral conductor switching                                                  |                                             | Yes                           |
| product feature halogen-free                                                                   |                                             | Yes                           |
| product feature silicon-free                                                                   |                                             | Yes                           |
| Connections                                                                                    |                                             |                               |
| connectable conductor cross-section solid                                                      | • minimum                                   | 0.75 mm <sup>2</sup>          |
|                                                                                                | • maximum                                   | 35 mm <sup>2</sup>            |
| connectable conductor cross-section stranded                                                   | • minimum                                   | 0.75 mm <sup>2</sup>          |
|                                                                                                | • maximum                                   | 35 mm <sup>2</sup>            |
| connectable conductor cross-section finely stranded with core end processing                   | • minimum                                   | 0.75 mm <sup>2</sup>          |
|                                                                                                | • maximum                                   | 25 mm <sup>2</sup>            |
| 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                                                                                     |                                             | 276 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                                                                         |                                             |                               |
| Environment                                                                                    | General Product Approval                    | other                         |
| <a href="#">Environmental Confirmations</a>                                                    | <a href="#">Environmental Confirmations</a> | <a href="#">Miscellaneous</a> |
|             |                                             |                               |
|                                                                                                | <a href="#">Confirmation</a>                | <a href="#">Miscellaneous</a> |
| other                                                                                          | Dangerous goods                             |                               |

[Confirmation](#)[Miscellaneous](#)[Transport Information](#)

#### Further information

**Information on the packaging**<https://support.industry.siemens.com/cs/ww/en/view/109813875>**Information for data generation and storage**<https://support.industry.siemens.com/cs/ww/en/view/109995012>**Information- and Downloadcenter (Catalogs, Brochures,...)**<https://www.siemens.com/lowvoltage/catalogs>**Industry Mall (Online ordering system)**<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SU1354-6GV10>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/5SU1354-6GV10>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1354-6GV10](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1354-6GV10)**CAX-Online-Generator**<https://www.siemens.com/cax>**Tender specifications**<https://www.siemens.com/specifications>**Characteristic curves**[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)

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