



Figure similar

RCBO, 4.5 kA, 1-pole+N, type AC, 30 mA, C char, In: 16 A, Un AC: 230 V, N left, use of these devices is not permitted in all countries. Observe national installation regulations!

| Model                                                      |                                                                         |
|------------------------------------------------------------|-------------------------------------------------------------------------|
| product brand name                                         | SETRON                                                                  |
| 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                              | C                                                                       |
| mechanical service life (operating 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) µs                      | 1 kA                                                                    |
| tripping fault current rated value                         | 30 mA                                                                   |
| operational current                                        |                                                                         |
| • at 30 °C rated value                                     | 16 A                                                                    |
| • at 40 °C rated value                                     | 15.2 A                                                                  |
| • at 45 °C rated value                                     | 14.88 A                                                                 |
| • at 50 °C rated value                                     | 14.4 A                                                                  |
| • at 55 °C rated value                                     | 13.92 A                                                                 |
| • at 60 °C rated value                                     | 13.6 A                                                                  |
| • at 65 °C rated value                                     | 12.96 A                                                                 |
| • at 70 °C rated value                                     | 12.32 A                                                                 |
| • at AC rated value                                        | 16 A                                                                    |
| residual current type                                      | AC                                                                      |
| 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                                          |                                                                         |
| short-circuit current breaking capacity (Icn) according to | 4.5 kA                                                                  |

|                                                                                           |                      |
|-------------------------------------------------------------------------------------------|----------------------|
| <b>EN 61009-1 rated value</b>                                                             |                      |
| switching capacity current                                                                |                      |
| • according to EN 60898 rated value                                                       | 4.5 kA               |
| • according to IEC 60947-2 rated value                                                    | 5 kA                 |
| <b>rated residual switching capacity (I<math>\Delta</math>m) according to IEC 61009-1</b> | 4.5 kA               |
| <b>energy limitation class</b>                                                            | 3                    |
| <b>Dissipation</b>                                                                        |                      |
| power loss [W]                                                                            |                      |
| • maximum                                                                                 | 2.8 W                |
| <b>Product details</b>                                                                    |                      |
| product feature touch protection                                                          | Yes                  |
| product component neutral conductor switching                                             | Yes                  |
| product feature                                                                           |                      |
| • halogen-free                                                                            | Yes                  |
| • silicon-free                                                                            | Yes                  |
| <b>Connections</b>                                                                        |                      |
| 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 |
| <b>Mechanical Design</b>                                                                  |                      |
| 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                |
| weight with packaging                                                                     | 286 g                |
| <b>Environmental conditions</b>                                                           |                      |
| 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                   |
| <b>Approvals Certificates</b>                                                             |                      |
| General Product Approval                                                                  |                      |



[Confirmation](#)



[Miscellaneous](#)



|     |                   |       |
|-----|-------------------|-------|
| EMV | Test Certificates | other |
|-----|-------------------|-------|



[Special Test Certificate](#)

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| Railway | Dangerous goods | Environment |
|---------|-----------------|-------------|
|---------|-----------------|-------------|

[Special Test Certificate](#)

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#### Further information

##### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

##### 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=5SU1353-1KL16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1353-1KL16>

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

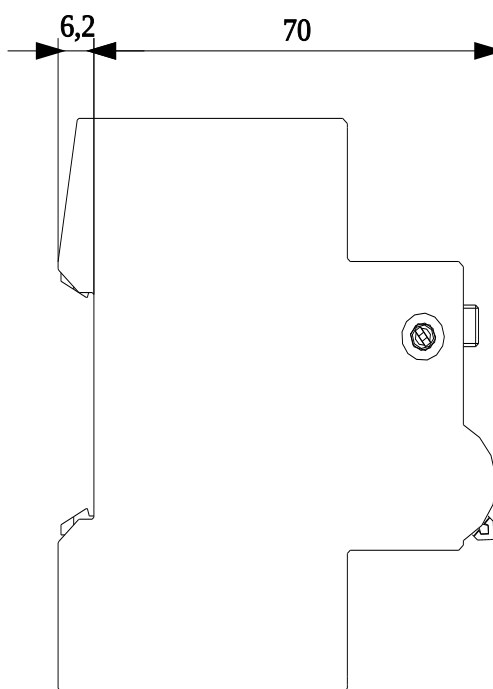
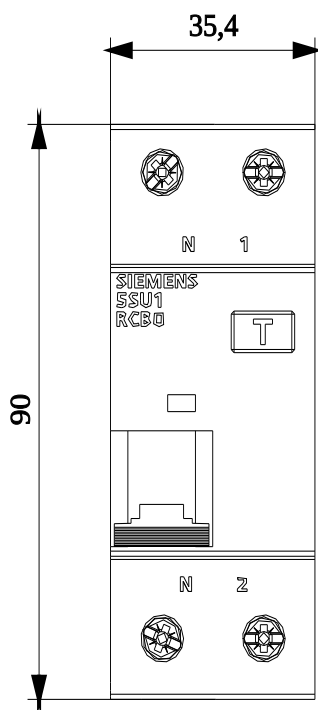
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1353-1KL16](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1353-1KL16)

##### CAX-Online-Generator

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

##### Tender specifications

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



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