



Figure similar

RCBO, 6 kA, 1P+N, type A, 30 mA, B char., In: 32 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 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                             | 32 A                                                                    |
| — at 40 °C rated value                             | 30.4 A                                                                  |
| — at 45 °C rated value                             | 29.76 A                                                                 |
| — at 50 °C rated value                             | 28.8 A                                                                  |
| — at 55 °C rated value                             | 27.84 A                                                                 |
| — at 60 °C rated value                             | 27.2 A                                                                  |
| — at 65 °C rated value                             | 25.92 A                                                                 |
| — at 70 °C rated value                             | 24.64 A                                                                 |
| • operational current at AC rated value            | 32 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                                                            | 6 kA                                                                                  |
| • according to IEC 60947-2 rated value                                                         | 15 kA                                                                                 |
| short-circuit current breaking capacity (I <sub>cn</sub> ) according to EN 61009-1 rated value | 6 kA                                                                                  |
| rated residual switching capacity (I <sub>Δm</sub> ) according to IEC 61009-1                  | 6 kA                                                                                  |
| energy limitation class                                                                        | 3                                                                                     |
| Dissipation                                                                                    |                                                                                       |
| power loss [W]                                                                                 |                                                                                       |
| • maximum                                                                                      | 5.7 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                                                                                     | 284 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                                                              |
| <a href="#">Environmental Confirmations</a>                                                    | <a href="#">Environmental Confirmations</a>                                           |
|             |    |
|                                                                                                |  |
|                                                                                                | <a href="#">Miscellaneous</a>                                                         |
| General Product Approval                                                                       | EMV                                                                                   |
|                                                                                                | Test Certificates                                                                     |



[Confirmation](#)



[Miscellaneous](#)

| Test Certificates | Maritime application | other |
|-------------------|----------------------|-------|
|-------------------|----------------------|-------|

[Special Test Certificate](#)



[Miscellaneous](#)



[Confirmation](#)

[Miscellaneous](#)

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

[Special Test Certificate](#)

[Confirmation](#)

[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=5SU1356-6KK32>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1356-6KK32>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1356-6KK32](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1356-6KK32)

CAX-Online-Generator

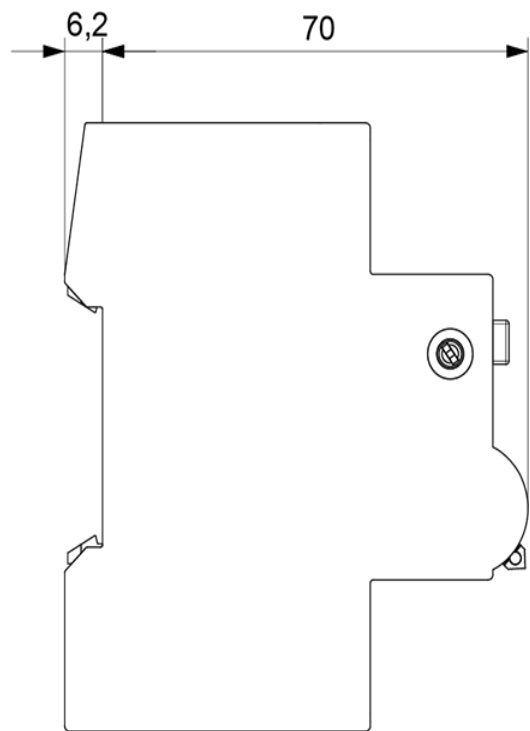
<https://www.siemens.com/cax>

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='HAUPT'></mmp_prod_no>)



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