



Figure similar

residual current operated circuit breaker, 4-pole, type AC, In: 63 A, 100 mA, Un AC: 400 V,

| Model                                                                  |                                                                         |
|------------------------------------------------------------------------|-------------------------------------------------------------------------|
| product brand name                                                     | SENTRON                                                                 |
| product designation                                                    | Residual current operated circuit breaker                               |
| design of the product                                                  | Instantaneous                                                           |
| product type designation                                               | 5SV5                                                                    |
| General technical data                                                 |                                                                         |
| number of poles                                                        | 4                                                                       |
| size of installation devices according to DIN 43880                    | 1                                                                       |
| mechanical service life (operating cycles) typical                     | 4 000                                                                   |
| short-circuit current of series fuse maximum permissible               | 80 A                                                                    |
| short-circuit current rating                                           | 6 kA                                                                    |
| switching function short-term delayed                                  | No                                                                      |
| degree of pollution                                                    | 2                                                                       |
| insulation voltage (Ui) rated value                                    | 2 000 V                                                                 |
| tripping fault current rated value                                     | 100 mA                                                                  |
| let-through current permissible                                        | 7 100 A                                                                 |
| I2t value permissible                                                  | 110 000 A²·s                                                            |
| Supply voltage                                                         |                                                                         |
| supply voltage for testing equipment minimum                           | 100 V                                                                   |
| value range of the supply voltage frequency                            | 50 Hz                                                                   |
| value range of the operating frequency                                 | 50 Hz                                                                   |
| value range of the supply voltage at AC                                | 230/400 V                                                               |
| Protection class                                                       |                                                                         |
| protection class IP                                                    | IP20, if the distribution board is installed, with connected conductors |
| Breaking Capacity                                                      |                                                                         |
| switching capacity current                                             |                                                                         |
| • according to IEC 61008-1 rated value                                 | 0.8 kA                                                                  |
| grid spacing                                                           | 60 mm                                                                   |
| Dissipation                                                            |                                                                         |
| power loss [W]                                                         |                                                                         |
| • for rated value of the current at AC in hot operating state per pole | 3.9 W                                                                   |
| • maximum                                                              | 11.7 W                                                                  |
| Appearance                                                             |                                                                         |
| RAL color number                                                       | 7 035                                                                   |

|                                                                             |                          |
|-----------------------------------------------------------------------------|--------------------------|
| RAL color number (similar)                                                  | 7 035                    |
| <b>Product details</b>                                                      |                          |
| product feature silicon-free                                                | Yes                      |
| product extension installable supplementary devices                         | No                       |
| <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>       |
| tightening torque with screw-type terminals                                 |                          |
| • minimum                                                                   | 2.5 N·m                  |
| • maximum                                                                   | 3 N·m                    |
| position of power supply cord                                               | top or bottom            |
| <b>Mechanical Design</b>                                                    |                          |
| height                                                                      | 90 mm                    |
| width                                                                       | 72 mm                    |
| depth                                                                       | 70 mm                    |
| installation depth                                                          | 70 mm                    |
| number of modular width units                                               | 4                        |
| fastening method                                                            | DIN rail (REG)           |
| mounting position                                                           | any                      |
| Net Weight                                                                  | 337 g                    |
| <b>Environmental conditions</b>                                             |                          |
| ambient temperature during operation                                        |                          |
| • minimum                                                                   | -25 °C                   |
| • maximum                                                                   | 45 °C                    |
| ambient temperature during storage minimum                                  | -40 °C                   |
| number of test cycles for environmental testing according to IEC 60068-2-30 | 28                       |
| <b>Approvals Certificates</b>                                               |                          |
| Environment                                                                 | General Product Approval |

[Environmental Confirmations](#)

[Environmental Confirmations](#)

Siemens  
EcoTech



[Miscellaneous](#)



General Product Approval

other

Dangerous goods



[Confirmation](#)

[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=5SV5446-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV5446-0>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV5446-0](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV5446-0)

##### 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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