



residual current operated circuit breaker, 4-pole, type A, In: 63 A, 30 mA, Un AC: 400 V,

Figure similar

| 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                                     | 30 mA   |
| let-through current permissible  | 7 100 A   |
| I <sup>2</sup> t value permissible                                     | 110 000 A <sup>2</sup> ·s   |
| Supply voltage   |   |
| supply voltage for testing equipment minimum                           | 195 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 | 4.1 W   |
| • maximum  | 12.3 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  | 351 g                |
| <b>Environmental conditions</b>   |                      |
| ambient temperature during operation  |                      |
| • minimum   | -5 °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](#)



[Confirmation](#)



|       |                 |
|-------|-----------------|
| other | Dangerous goods |
|-------|-----------------|



[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=5SV5346-6>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/5SV5346-6>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)  
[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV5346-6](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV5346-6)
- 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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