



Figure similar



Residual current operated circuit breaker, 2-pole, type A, In: 125 A, 300 mA, Un AC: 230 V

| Model  |   |
|--|---|
| product brand name   | SENTRON   |
| product designation  | Residual current operated circuit breaker                               |
| design of the product  | Instantaneous   |
| product type designation   | 5SM3  |
| General technical data   |   |
| number of poles  | 2   |
| size of installation devices according to DIN 43880                                    | 1   |
| mechanical service life (operating cycles) typical                                     | 10 000  |
| short-circuit current rating   | 10 kA   |
| switching function short-term delayed  | No  |
| degree of pollution  | 2   |
| tripping fault current rated value   | 300 mA  |
| 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 V   |
| Protection class   |   |
| protection class IP  | IP20, if the distribution board is installed, with connected conductors |
| Breaking Capacity  |   |
| switching capacity current   |   |
| <ul style="list-style-type: none"> <li>according to EN 60898 rated value</li> </ul>    | 1.25 kA   |
| <ul style="list-style-type: none"> <li>according to IEC 61008-1 rated value</li> </ul> | 1.25 kA   |
| Appearance   |   |
| RAL color number   | 7 035   |
| RAL color number (similar)   | 7 035   |
| Product details  |   |
| product feature silicon-free   | Yes   |
| product extension installable supplementary devices                                    | Yes   |
| Connections  |   |
| connectable conductor cross-section solid  |   |
| <ul style="list-style-type: none"> <li>minimum</li> </ul>                              | 1.5 mm <sup>2</sup>   |
| <ul style="list-style-type: none"> <li>maximum</li> </ul>                              | 50 mm <sup>2</sup>  |
| connectable conductor cross-section stranded   |   |
| <ul style="list-style-type: none"> <li>minimum</li> </ul>                              | 1.5 mm <sup>2</sup>   |
| <ul style="list-style-type: none"> <li>maximum</li> </ul>                              | 50 mm <sup>2</sup>  |
| tightening torque with screw-type terminals  |   |

|   |               |
|---|---------------|
| • minimum   | 3 N·m         |
| • maximum   | 4 N·m         |
| position of power supply cord   | top or bottom |
| <b>Mechanical Design</b>  |               |
| height  | 90 mm         |
| width   | 36 mm         |
| depth   | 70 mm         |
| installation depth  | 70 mm         |
| number of modular width units   | 2             |
| fastening method  | DIN rail      |
| mounting position   | any           |
| Net Weight  | 245 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            |

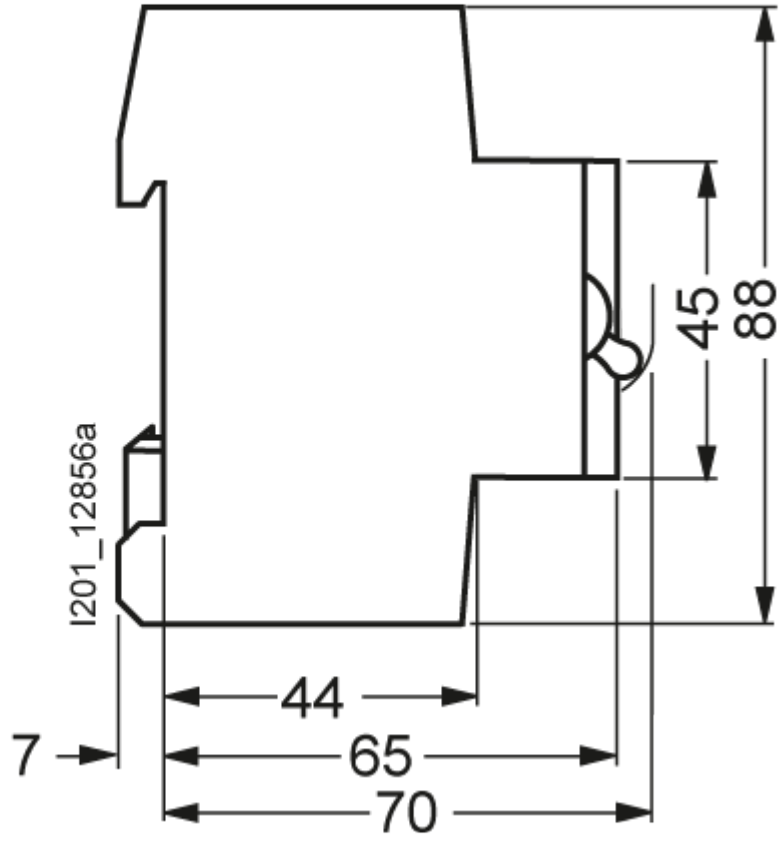
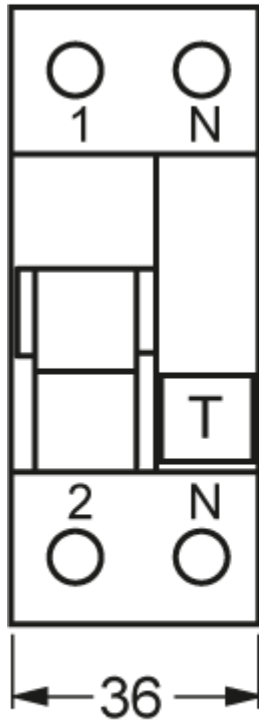
**Approvals Certificates**

|   |   |   |                               |   |                              |
|---|---|---|-------------------------------|---|------------------------------|
| Environment                                 | General Product Approval                    |   |                               |   |                              |
| <a href="#">Environmental Confirmations</a> | <a href="#">Environmental Confirmations</a> |  | <a href="#">Miscellaneous</a> |  | <a href="#">Confirmation</a> |
| General Product Approval                    | other                                       | Dangerous goods   |                               |   |                              |

|   |   |                              |                                       |
|---|---|------------------------------|---------------------------------------|
|  |  | <a href="#">Confirmation</a> | <a href="#">Transport Information</a> |
|---|---|------------------------------|---------------------------------------|

**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=5SM3615-6KK>  
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/5SM3615-6KK>  
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)  
[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM3615-6KK](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM3615-6KK)  
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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