



Figure similar

Miniature circuit breaker 400 V 6kA, 3-pole, D, 13A Circuit breaker 400 V 6kA, 3-pole, D, 13A

| Model  |   |
|--|---|
| product brand name   | SENTRON   |
| product designation  | Miniature circuit breaker   |
| General technical data   |   |
| number of poles  | 3   |
| design of pole   | 3P  |
| tripping characteristic class  | D   |
| overvoltage category   | 3   |
| degree of pollution  | 2   |
| Voltage  |   |
| type of voltage of the operating voltage   | AC  |
| type of voltage  | Use only in alternating current or direct current circuits. Mixed use is not permitted.                                       |
| insulation voltage (Ui)  |   |
| <ul style="list-style-type: none"> <li>with multi-phase operation at AC rated value</li> </ul>   | 440 V   |
| <ul style="list-style-type: none"> <li>operational current                             <ul style="list-style-type: none"> <li>at 30 °C rated value</li> <li>at 40 °C rated value</li> <li>at 50 °C rated value</li> <li>at 55 °C rated value</li> </ul> </li> <li>operational current at AC rated value</li> </ul> | 13 A<br>12.42 A<br>11.8 A<br>11.49 A<br>13 A  |
| Supply voltage   |   |
| supply voltage at AC   | 400 V   |
| value range of the supply voltage frequency  | 50/60 Hz  |
| operating voltage  |   |
| <ul style="list-style-type: none"> <li>with multi-phase operation at AC maximum</li> <li>at DC rated value maximum</li> <li></li> </ul>  | 440 V<br>62.5 V<br>The operational voltage 62,5V DC/pole takes into account a battery charging voltage with peak value of 72V |
| Protection class   |   |
| protection class IP  | IP20, with connected conductors   |
| Breaking Capacity  |   |
| switching capacity current   |   |
| <ul style="list-style-type: none"> <li>according to EN 60898 rated value</li> </ul>  | 6 kA  |
| Dissipation  |   |
| power loss [W] for rated value of the current at AC in hot operating state per pole  | 2 W   |
| suitability for operation  | Residential buildings/infrastructure  |

| Product details  |                                     |
|--|-------------------------------------|
| product feature touch protection   | Yes                                 |
| product component neutral conductor switching                                | No                                  |
| product feature halogen-free   | Yes                                 |
| product feature sealable   | Yes                                 |
| product feature silicon-free   | Yes                                 |
| product extension installable supplementary devices                          | Yes                                 |
| Connections  |                                     |
| connectable conductor cross-section solid                                    |                                     |
| • minimum  | 0.75 mm <sup>2</sup>                |
| • maximum  | 25 mm <sup>2</sup>                  |
| connectable conductor cross-section stranded                                 |                                     |
| • minimum  | 0.75 mm <sup>2</sup>                |
| • maximum  | 25 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                               |
| Mechanical Design  |                                     |
| height   | 90 mm                               |
| width  | 54 mm                               |
| depth  | 76 mm                               |
| installation depth   | 70 mm                               |
| number of modular width units  | 3                                   |
| mounting position  | any                                 |
| Net Weight   | 0.465 kg                            |
| Environmental conditions   |                                     |
| vibration resistance according to IEC 60068-2-6                              | 50 m/s <sup>2</sup> at 25 to 150 Hz |
| ambient temperature during operation   |                                     |
| • minimum  | -25 °C                              |
| • maximum  | 45 °C                               |
| ambient temperature during storage   |                                     |
| • minimum  | -40 °C                              |
| • maximum  | 75 °C                               |
| Approvals Certificates   |                                     |
| General Product Approval   | EMV                                 |



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#### 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?mfb=5SL6313-8CC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6313-8CC>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6313-8CC](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6313-8CC)

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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