












Miniature circuit breaker 400 V 10kA, 4-pole, C, 63 A

| Model  |   |
|--|---|
| product brand name   | SENTRON   |
| product designation  | Miniature circuit breaker   |
| General technical data   |   |
| number of poles  | 4   |
| design of pole   | 4P  |
| tripping characteristic class  | C   |
| mechanical service life (operating cycles) typical   | 10 000  |
| 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 55 °C rated value</li> </ul> </li> <li>operational current at AC rated value</li> </ul> | 63 A<br>59.67 A<br>54.29 A<br>63 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> <li>according to IEC 60947-2 rated value</li> </ul>  | 10 kA<br>10 kA  |
| energy limitation class  | 3   |
| Dissipation  |   |
| power loss [W] for rated value of the current at AC in hot operating state per pole  | 5 W   |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| <b>suitability for operation</b>  | Residential buildings/infrastructure  |   |   |   |   |
| <b>Product details</b>  |   |   |   |   |   |
| <b>product feature touch protection</b>   | Yes   |   |   |   |   |
| product component neutral conductor switching                                       | No  |   |   |   |   |
| <b>product feature halogen-free</b>   | Yes   |   |   |   |   |
| <b>product feature sealable</b>   | Yes   |   |   |   |   |
| <b>product feature silicon-free</b>   | Yes   |   |   |   |   |
| <b>product extension installable supplementary devices</b>                          | Yes   |   |   |   |   |
| <b>Connections</b>  |   |   |   |   |   |
| <b>connectable conductor cross-section solid</b>                                    |   |   |   |   |   |
| • minimum   | 0.75 mm <sup>2</sup>  |   |   |   |   |
| • maximum   | 25 mm <sup>2</sup>  |   |   |   |   |
| <b>connectable conductor cross-section stranded</b>                                 |   |   |   |   |   |
| • minimum   | 0.75 mm <sup>2</sup>  |   |   |   |   |
| • maximum   | 25 mm <sup>2</sup>  |   |   |   |   |
| <b>connectable conductor cross-section finely stranded with core end processing</b> |   |   |   |   |   |
| • minimum   | 0.75 mm <sup>2</sup>  |   |   |   |   |
| • maximum   | 25 mm <sup>2</sup>  |   |   |   |   |
| <b>tightening torque with screw-type terminals</b>                                  |   |   |   |   |   |
| • minimum   | 2.5 N·m   |   |   |   |   |
| • maximum   | 3 N·m   |   |   |   |   |
| <b>Mechanical Design</b>  |   |   |   |   |   |
| <b>height</b>   | 90 mm   |   |   |   |   |
| <b>width</b>  | 72 mm   |   |   |   |   |
| <b>depth</b>  | 76 mm   |   |   |   |   |
| <b>installation depth</b>   | 70 mm   |   |   |   |   |
| <b>number of modular width units</b>  | 4   |   |   |   |   |
| <b>mounting position</b>  | any   |   |   |   |   |
| <b>Net Weight</b>   | 644 g   |   |   |   |   |
| <b>Environmental conditions</b>   |   |   |   |   |   |
| <b>ambient temperature during operation</b>   |   |   |   |   |   |
| • minimum   | -25 °C  |   |   |   |   |
| • maximum   | 55 °C   |   |   |   |   |
| <b>ambient temperature during storage</b>   |   |   |   |   |   |
| • minimum   | -40 °C  |   |   |   |   |
| • maximum   | 75 °C   |   |   |   |   |
| <b>Approvals Certificates</b>   |   |   |   |   |   |
| <b>Environment</b>  |   |   | <b>General Product Approval</b>   |   |   |
| <a href="#">Environmental Confirmations</a>   |  | <a href="#">Environmental Confirmations</a> |  |  |  |
| <b>General Product Approval</b>   |   |   |   | <b>Test Certificates</b>  |   |
|  |  | <a href="#">Confirmation</a>                |  |  | <a href="#">Miscellaneous</a>   |
| <b>other</b>  |   |   |   |   |   |
| <a href="#">Confirmation</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=5SL4463-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4463-7>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL4463-7](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4463-7)

### CAX-Online-Generator

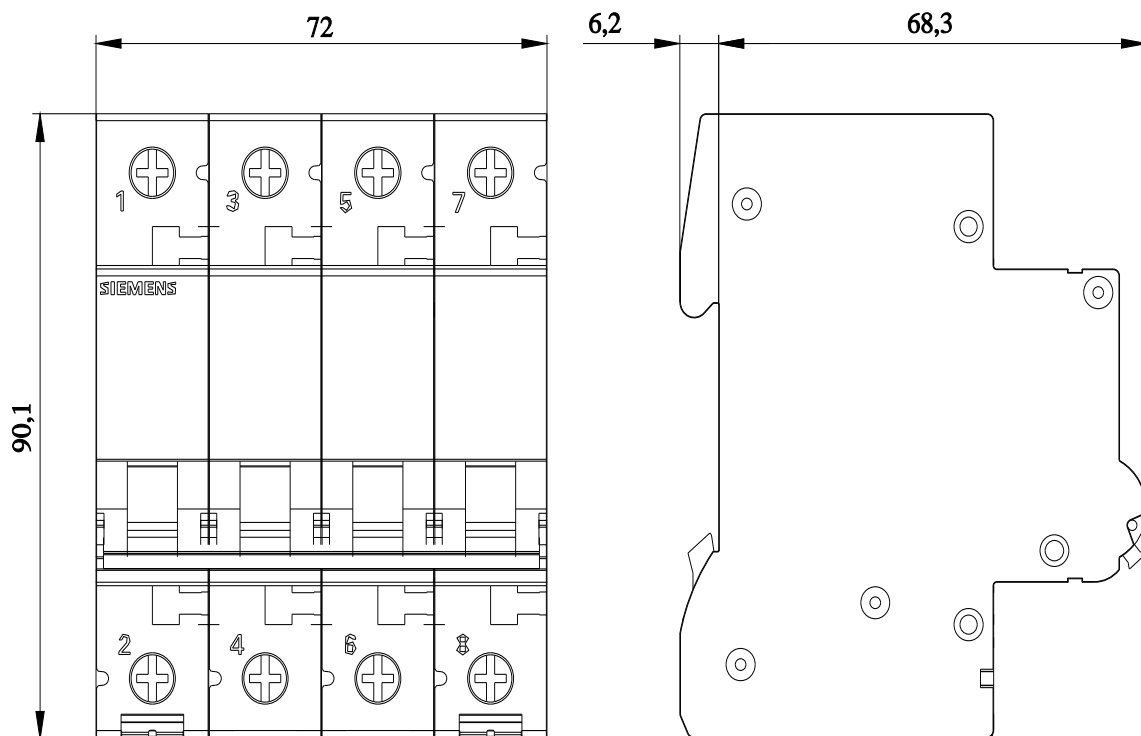
<https://www.siemens.com/cax>

### 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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