



Miniature circuit breaker 230 V 6kA, 1+N-pole, C, 25A

| Model | |
|---|--|
| product brand name | SENTRON |
| product designation | Miniature circuit breaker |
| General technical data | |
| number of poles | 2 |
| design of pole | 1P+N |
| tripping characteristic class | C |
| mechanical service life (operating cycles) | |
| • typical | 10 000 |
| overvoltage category | III |
| 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) | |
| • with single-phase operation at AC rated value | 250 V |
| operational current | |
| • at 30 °C rated value | 25 A |
| • at 40 °C rated value | 23.48 A |
| • at 55 °C rated value | 21 A |
| • at AC rated value | 25 A |
| Supply voltage | |
| supply voltage at AC | 230 V |
| value range of the supply voltage frequency | 50/60 Hz |
| operating voltage | |
| • at DC rated value maximum | 62.5 V |
| • | 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 | |
| • according to EN 60898 rated value | 6 kA |
| • according to IEC 60947-2 rated value | 6 kA |
| energy limitation class | 3 |
| Dissipation | |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 2.6 W |
| suitability for operation | Residential buildings/infrastructure |
| Product details | |

| | |
|---|-----|
| product feature touch protection | Yes |
| product component neutral conductor switching | Yes |
| product feature | |
| • halogen-free | Yes |
| • sealable | Yes |
| • silicon-free | Yes |
| product extension installable supplementary devices | Yes |

Connections

| | |
|--|----------------------|
| connectable conductor cross-section solid | |
| • minimum | 0.75 mm ² |
| • maximum | 25 mm ² |
| connectable conductor cross-section stranded | |
| • minimum | 0.75 mm ² |
| • maximum | 25 mm ² |
| connectable conductor cross-section finely stranded with core end processing | |
| • minimum | 0.75 mm ² |
| • maximum | 25 mm ² |
| tightening torque with screw-type terminals | |
| • minimum | 2.5 N·m |
| • maximum | 3 N·m |

Mechanical Design

| | |
|--------------------|-------|
| height | 90 mm |
| width | 36 mm |
| depth | 76 mm |
| installation depth | 70 mm |
| mounting position | any |
| net weight | 260 g |

Environmental conditions

| | |
|--------------------------------------|--------|
| 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



[Miscellaneous](#)



| other | Environment |
|------------------------------|---|
| Confirmation | Environmental Confirmations |
| | Environmental Confirmations |

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6525-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6525-7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6525-7

CAX-Online-Generator

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



