SIEMENS

Data sheet

5SL6108-7



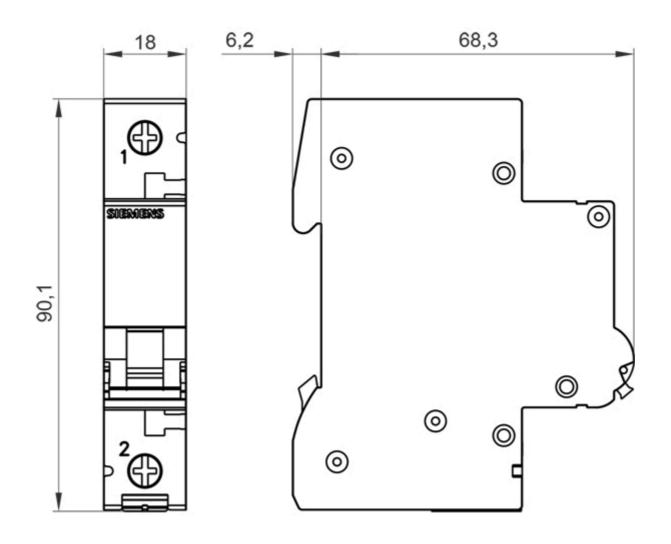
Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 8A

| Model | | | | |
|---|--------------------------------------|--|--|--|
| product brand name | SENTRON | | | |
| product designation | Miniature circuit breaker | | | |
| General technical data | | | | |
| number of poles | 1 | | | |
| tripping characteristic class | С | | | |
| mechanical service life (switching cycles) / typical | 10 000 | | | |
| overvoltage category | III | | | |
| degree of pollution | 2 | | | |
| Voltage | | | | |
| type of voltage / of the operating voltage | AC | | | |
| insulation voltage | | | | |
| with single-phase operation / at AC / rated value | 250 V | | | |
| with multi-phase operation / at AC / rated value | 440 V | | | |
| Supply voltage | | | | |
| supply voltage / at AC / rated value | 400 V | | | |
| operating voltage | | | | |
| with multi-phase operation / at AC / maximum | 440 V | | | |
| at DC / rated value / maximum | 72 V | | | |
| Protection class | | | | |
| protection class IP | IP20, with connected conductors | | | |
| Switching capacity | | | | |
| switching capacity current | | | | |
| acc. to EN 60898 / rated value | 6 kA | | | |
| acc. 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 | 0.7 W | | | |
| Current | | | | |
| operational current | | | | |
| • at 30 °C / rated value | 8 A | | | |
| • at 40 °C / rated value | 7.61 A | | | |
| at 45 °C / rated value | 7.36 A | | | |
| at 55 °C / rated value | 6.99 A | | | |
| • at AC / rated value | 8 A | | | |
| suitability for operation | Residential buildings/infrastructure | | | |

| Product details | | | |
|--|----------------------|------------------------------|----------------------|
| product function / neutral conductor switching | No | | |
| product feature / touch protection | 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 mm² | | |
| • 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 | • | | |
| | 90 mm | | |
| height | 18 mm | | |
| | - 76 mm | | |
| depth | - 70 mm | | |
| installation depth | - | | |
| number of modular width units | 1 | | |
| mounting position | any | | |
| net weight | 120 g | | |
| Environmental conditions | | | |
| ambient temperature / during operation | | | |
| • minimum | -25 °C | | |
| • maximum | 45 °C | | |
| ambient temperature / during storage | | | |
| • minimum | -40 °C | | |
| maximum | 75 °C | | |
| Certificates | | | |
| reference code | | | |
| • acc. to DIN EN 61346-2 | F | | |
| • acc. to IEC 81346-2 | F | | |
| General Product Approval | | Declaration of Conformity | other |
| CEBEC UDE TSE | EHC | CE EG-Konf. | <u>Miscellaneous</u> |

Further information

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=5SL6108-7 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SL6108-7 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6108-7 CAx-Online-Generator



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