



Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 2A

| Model | |
|---|--------------------------------------|
| product brand name | SENTRON |
| product designation | Miniature circuit breaker |
| General technical data | |
| number of poles | 1 |
| design of pole | 1P |
| 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 |
| insulation voltage (U _i) | |
| • 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 |
| value range of the supply voltage frequency | 50/60 Hz |
| 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 | |
| • 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 | 1.2 W |
| Current | |
| operational current | |
| • at 30 °C rated value | 2 A |
| • at 40 °C rated value | 1.9 A |
| • at 45 °C rated value | 1.84 A |
| • at 55 °C rated value | 1.75 A |
| • at AC rated value | 2 A |
| suitability for operation | Residential buildings/infrastructure |
| Product details | |

| | |
|---|-----|
| 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 | 18 mm |
| depth | 76 mm |
| installation depth | 70 mm |
| 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 | |
| • according to EN 61346-2 | F |
| • according to IEC 81346-2 | F |

General Product Approval

Declaration of Conformity



[Confirmation](#)



[TSE](#)



Declaration of Conformity

other



EG-Konf.

[Miscellaneous](#)

[Environmental Conformations](#)

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?mfb=5SL6102-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6102-7>





