



Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 0.5A

| 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 (Ui) | |
| • 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 |
| 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 | 0.9 W |
| 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 |

| | |
|--|--|
| <ul style="list-style-type: none"> • maximum | 25 mm ² |
| connectable conductor cross-section stranded | |
| <ul style="list-style-type: none"> • minimum • maximum | 0.75 mm ² 25 mm ² |
| connectable conductor cross-section finely stranded with core end processing | |
| <ul style="list-style-type: none"> • minimum • maximum | 0.75 mm ² 25 mm ² |
| tightening torque with screw-type terminals | |
| <ul style="list-style-type: none"> • minimum • maximum | 2.5 N·m 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 | 145 g |

Environmental conditions

| | |
|--|-----------------|
| ambient temperature during operation | |
| <ul style="list-style-type: none"> • minimum • maximum | -25 °C 45 °C |
| ambient temperature during storage | |
| <ul style="list-style-type: none"> • minimum • maximum | -40 °C 75 °C |

| | |
|--------------------------|---------------------------|
| General Product Approval | Declaration of Conformity |
|--------------------------|---------------------------|



[Confirmation](#)



[TSE](#)



| | | |
|---------------------------|-------|-------------|
| Declaration of Conformity | other | Environment |
|---------------------------|-------|-------------|



[Miscellaneous](#)

[Confirmation](#)

[Environmental Confirmations](#)

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=5SL6105-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6105-7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6105-7

CAX-Online-Generator

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

Tender specifications

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



