



miniature circuit breaker 6 kA 110 V DC, 2-pole, width 1 MW (18 mm), switching characteristic C, 25 A

| Model | |
|---|---|
| product brand name | SENTRON |
| product designation | Miniature circuit breaker |
| design of the product | Miniature circuit breaker compact |
| General technical data | |
| design of pole | 2P |
| 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 | DC |
| <ul style="list-style-type: none"> operational current <ul style="list-style-type: none"> — at 30 °C rated value | 25 A |
| operational current at DC rated value | 25 A |
| Supply voltage | |
| supply voltage <ul style="list-style-type: none"> at DC rated value | 110 V |
| operating voltage <ul style="list-style-type: none"> minimum | 24 V |
| Protection class | |
| protection class IP | IP20, with connected conductors |
| Breaking Capacity | |
| switching capacity current <ul style="list-style-type: none"> according to EN 60898 rated value | 6 kA |
| grid spacing | 35 mm |
| energy limitation class | 3 |
| Dissipation | |
| power loss [W] for rated value of the current <ul style="list-style-type: none"> at DC in hot operating state per pole | 2.1 W |
| Suitability | |
| suitability for operation | residential buildings/infrastructure/mobility |
| Product details | |
| product feature touch protection | Yes |
| product component <ul style="list-style-type: none"> combined terminal top combined terminal bottom neutral conductor switching | No No No |

| | | |
|--|----------------------|-------|
| product feature properties for main switches in accordance with EN 60204-1 | No | |
| product feature halogen-free | Yes | |
| product feature sealable | Yes | |
| product feature silicon-free | Yes | |
| product extension installable supplementary devices | Yes | |
| Product function | | |
| product function | | |
| • communication function | No | |
| • other measurement function | No | |
| Connections | | |
| connectable conductor cross-section solid | | |
| • minimum | 0.75 mm ² | |
| • maximum | 16 mm ² | |
| connectable conductor cross-section stranded | | |
| • minimum | 0.75 mm ² | |
| • maximum | 16 mm ² | |
| connectable conductor cross-section finely stranded with core end processing | | |
| • minimum | 0.75 mm ² | |
| • maximum | 10 mm ² | |
| tightening torque [lbf·in] with screw-type terminals | | |
| • minimum | 10.6 lbf·in | |
| • maximum | 22.1 lbf·in | |
| tightening torque with screw-type terminals | | |
| • minimum | 1.2 N·m | |
| • maximum | 2.5 N·m | |
| position of power supply cord | Any | |
| Mechanical Design | | |
| height | 90 mm | |
| width | 18 mm | |
| depth | 76 mm | |
| installation depth | 70 mm | |
| number of modular width units | 1 | |
| fastening method | DIN rail | |
| mounting position | any | |
| Net Weight | 150 g | |
| Environmental conditions | | |
| standard | IEC60898-3 | |
| vibration resistance according to IEC 60068-2-6 | Yes | |
| ambient temperature during operation | | |
| • minimum | -40 °C | |
| • maximum | 70 °C | |
| ambient temperature during storage | | |
| • minimum | -40 °C | |
| • maximum | 75 °C | |
| number of test cycles for environmental testing according to IEC 60068-2-30 | 6 | |
| Environmental footprint | | |
| Environmental Product Declaration(EPD) | Yes | |
| global warming potential [CO2 eq] total | 9.35 kg | |
| global warming potential [CO2 eq] during manufacturing | 0.758 kg | |
| global warming potential [CO2 eq] during operation | 8.61 kg | |
| global warming potential [CO2 eq] after end of life | -0.058 kg | |
| Approvals Certificates | | |
| General Product Approval | Test Certificates | other |



[Confirmation](#)



[Miscellaneous](#)

[Confirmation](#)

other

Environment



[Environmental Confirmations](#)



[Environmental Confirmations](#)

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=5SL5825-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL5825-7>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL5825-7

CAX-Online-Generator

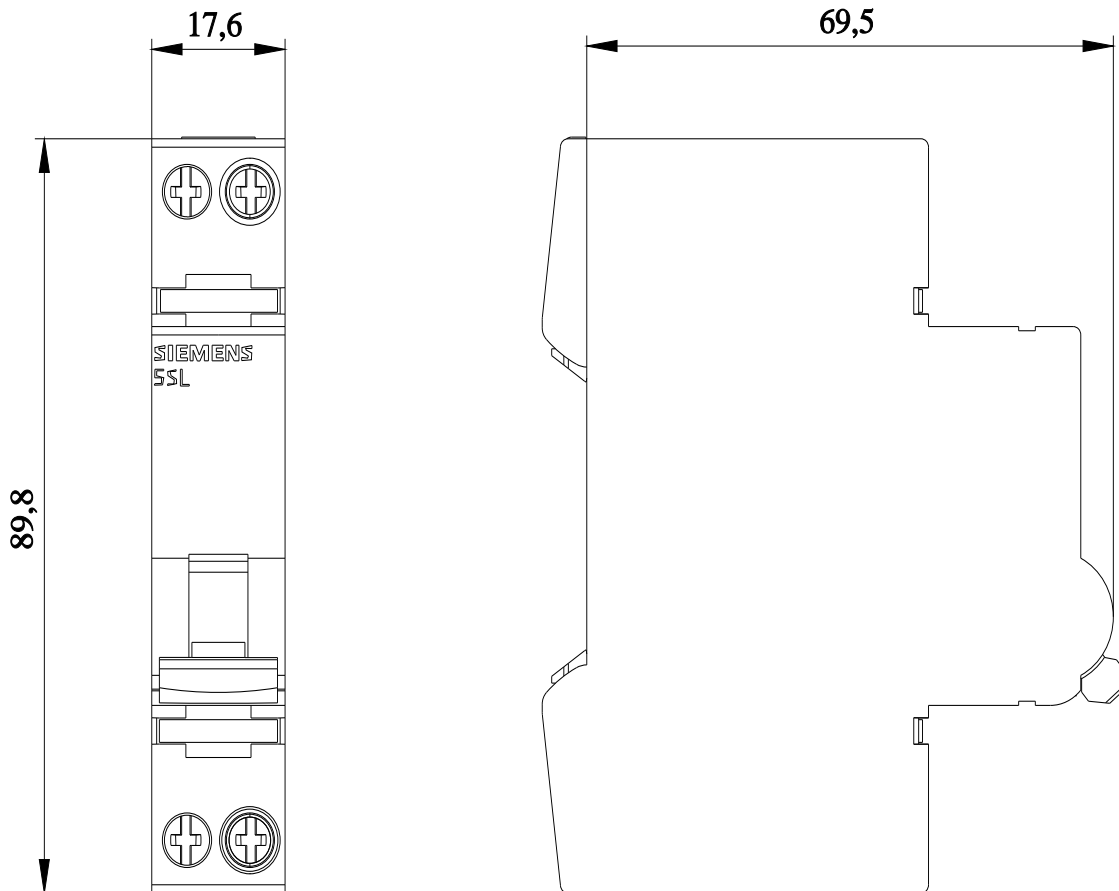
<https://www.siemens.com/cax>

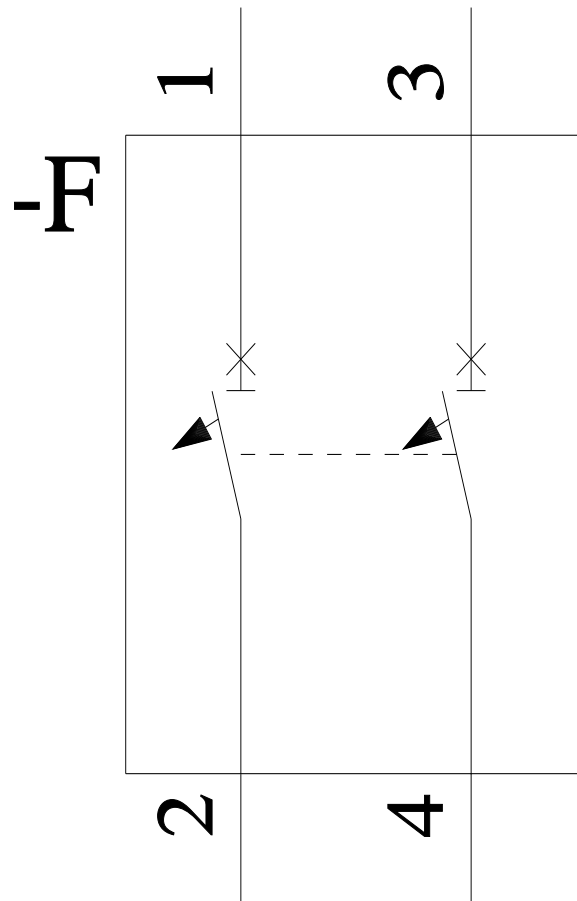
Tender specifications

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

Characteristic curves

https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>





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