SIEMENS

## Data sheet 5SL6110-7



Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 10 A

| | |
|---|---|
| **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 |
| operational current | |
| ● at 30 °C rated value | 10 A |
| ● at 40 °C rated value | 9.39 A |
| ● at 55 °C rated value | 8.4 A |
| ● at AC rated value | 10 A |
| **Supply voltage** | |
| supply voltage at AC | 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 |
| **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 | 1.3 W |
| suitability for operation | Residential buildings/infrastructure |
| **Product details** | |
| **product feature** | |


Subject to change without notice
© Copyright Siemens

| | |
|---|---|
| ● 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 mm² |
| connectable conductor cross-section stranded | |
| ● minimum | 0.75 mm² |
| ● maximum | 25 mm² |
| connectable conductor cross-section finely stranded with core end processing | |
| ● minimum | 0.75 mm² |
| ● maximum | 25 mm² |
| 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 | 115 g |
| **Environmental conditions** | |
| ambient temperature during operation | |
| ● minimum | -25 °C |
| ● maximum | 45 °C |
| ambient temperature during storage | |
| ● minimum | -40 °C |
| ● maximum | 75 °C |
| **Environmental footprint** | |
| Environmental Product Declaration(EPD) | Yes |
| Global Warming Potential [CO2 eq] total | 28.2 kg |
| Global Warming Potential [CO2 eq] during manufacturing | 0.718 kg |
| Global Warming Potential [CO2 eq] during operation | 27.5 kg |
| Global Warming Potential [CO2 eq] after end of life | -0.057 kg |

**Approvals Certificates**

**General Product Approval**

Confirmation

Miscellaneous

| General Product Approval | Marine / Shipping | other | | Environment | |
|---|---|---|---|---|---|
| | | Confirmation | Miscellaneous | Environmental Confirmations | |

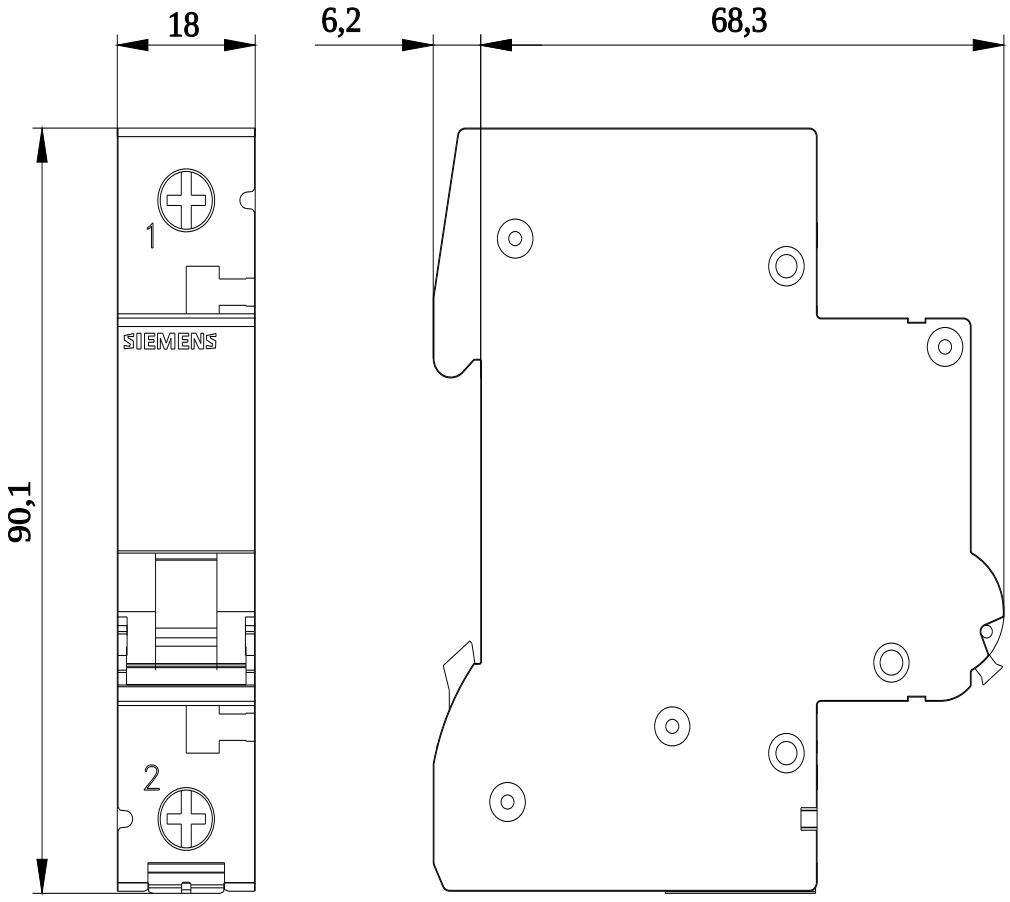
**Environment**

Environmental Confirmations


Subject to change without notice
© Copyright Siemens

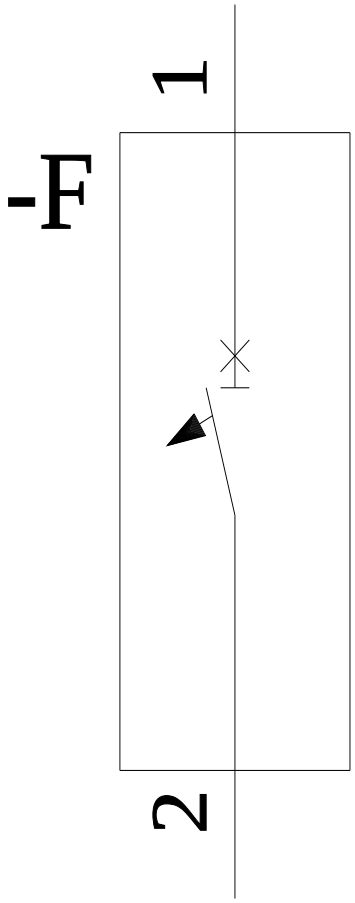
## Further information

**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=5SL6110-7
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/5SL6110-7
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6110-7
**CAx-Online-Generator**
http://www.siemens.com/cax
**Tender specifications**
http://www.siemens.com/specifications





Subject to change without notice
© Copyright Siemens




**last modified:** 2/16/2024


Subject to change without notice
© Copyright Siemens

Subject to change without notice
© Copyright Siemens