SIEMENS

## Data sheet 5SL6225-7

Miniature circuit breaker 400 V 6kA, 2-pole, C, 25A

| | |
|---|---|
| **Model** | |
| **product brand name** | SENTRON |
| **product designation** | Miniature circuit breaker |
| **General technical data** | |
| **number of poles** | 2 |
| **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** | AC |
| **type of voltage** | Use only in alternating current or direct current circuits. Mixed use is not permitted. |
| **insulation voltage (Ui)** | |
| ● with multi-phase operation at AC rated value | 440 V |
| ● **operational current** | |
| — at 30 °C rated value | 25 A |
| **— at 40 °C rated value** | 23.48 A |
| — at 55 °C rated value | 21 A |
| ● **operational current at AC rated value** | 25 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 | 62.5 V |
| ● | The operational voltage 62,5V DC/pole takes into account a battery charging voltage with peak value of 72V |
| **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 | 2.6 W |


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|---|---|
| **suitability for operation** | Residential buildings/infrastructure |
| **Product details** | |
| **product feature touch protection** | Yes |
| product component neutral conductor switching | No |
| **product feature halogen-free** | Yes |
| **product feature sealable** | Yes |
| **product feature 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** | 36 mm |
| **depth** | 76 mm |
| **installation depth** | 70 mm |
| **number of modular width units** | 2 |
| **mounting position** | any |
| **Net Weight** | 261 g |
| **Environmental conditions** | |
| **ambient temperature during operation** | |
| • minimum | -25 °C |
| • maximum | 45 °C |
| **ambient temperature during storage** | |
| • minimum | -40 °C |
| • maximum | 75 °C |

**Approvals Certificates**

| Environment | | General Product Approval | | Miscellaneous | |
|---|---|---|---|---|---|
| Environmental Confirmations | Environmental Confirmations | CEBEC | VDE | Miscellaneous | EAC |

| General Product Approval | | | other | |
|---|---|---|---|---|
| Confirmation | CE EG-Konf. | UKCA | 产品合格 QC PASS | Confirmation |

**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=5SL6225-7


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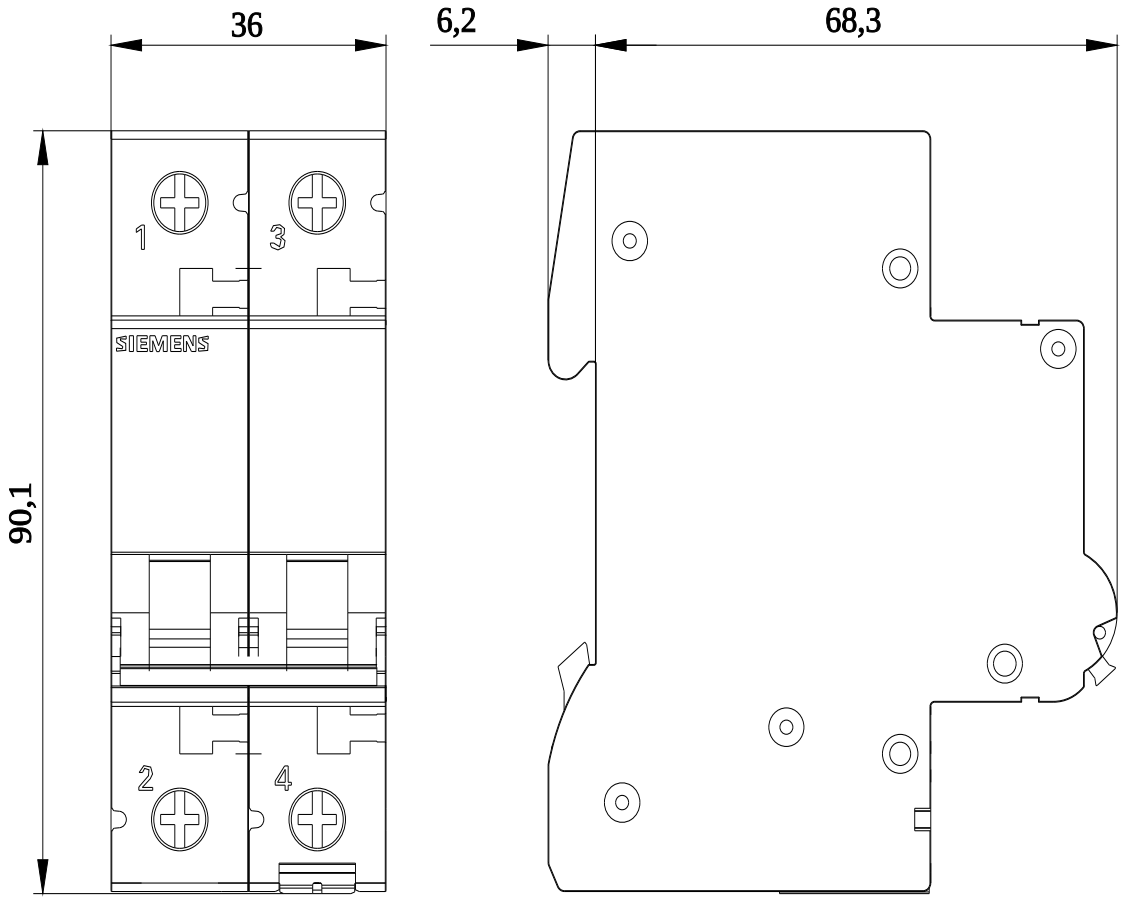
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/5SL6225-7
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6225-7
**CAx-Online-Generator**
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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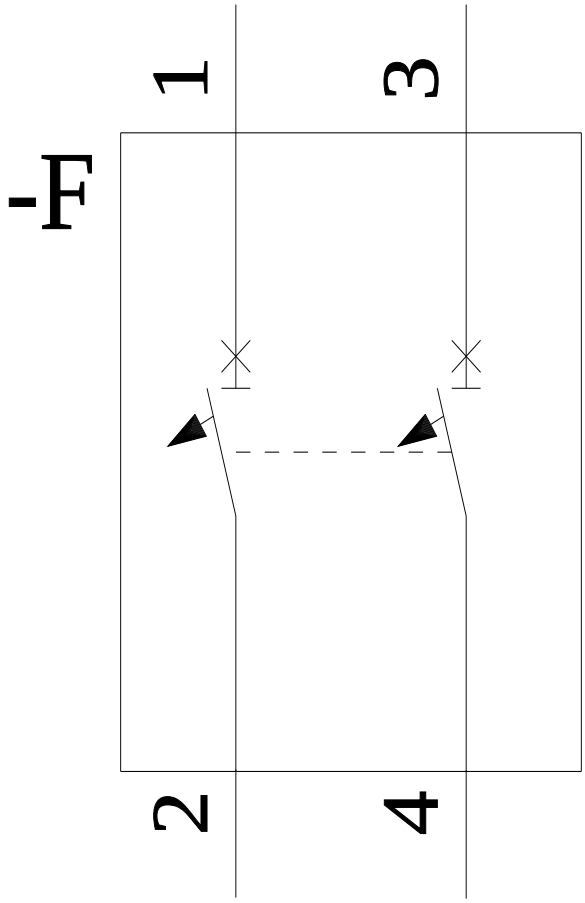


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