SIEMENS

## Data sheet 5SL6416-7BB



Figure similar

Miniature circuit breaker 400 V 6kA, 4-pole C, 16A Version Italy

| | |
|---|---|
| **Model** | |
| **product brand name** | SENTRON |
| **product designation** | Miniature circuit breaker |
| **General technical data** | |
| **number of poles** | 4 |
| **design of pole** | 4P |
| **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** | 16 A |
| **— at 40 °C rated value** | 15.15 A |
| **— at 55 °C rated value** | 13.79 A |
| **● operational current at AC rated value** | 16 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** | |


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| | |
|---|---|
| **power loss [W] for rated value of the current at AC in hot operating state per pole** | 1.5 W |
| **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** | 72 mm |
| **depth** | 76 mm |
| **installation depth** | 70 mm |
| **number of modular width units** | 4 |
| **mounting position** | any |
| **Net Weight** | 606.1 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 | | | |
|---|---|---|---|---|---|
| Environmental Con-firmations | Environmental Con-firmations | CEBEC | IMQ | VDE | EAC |

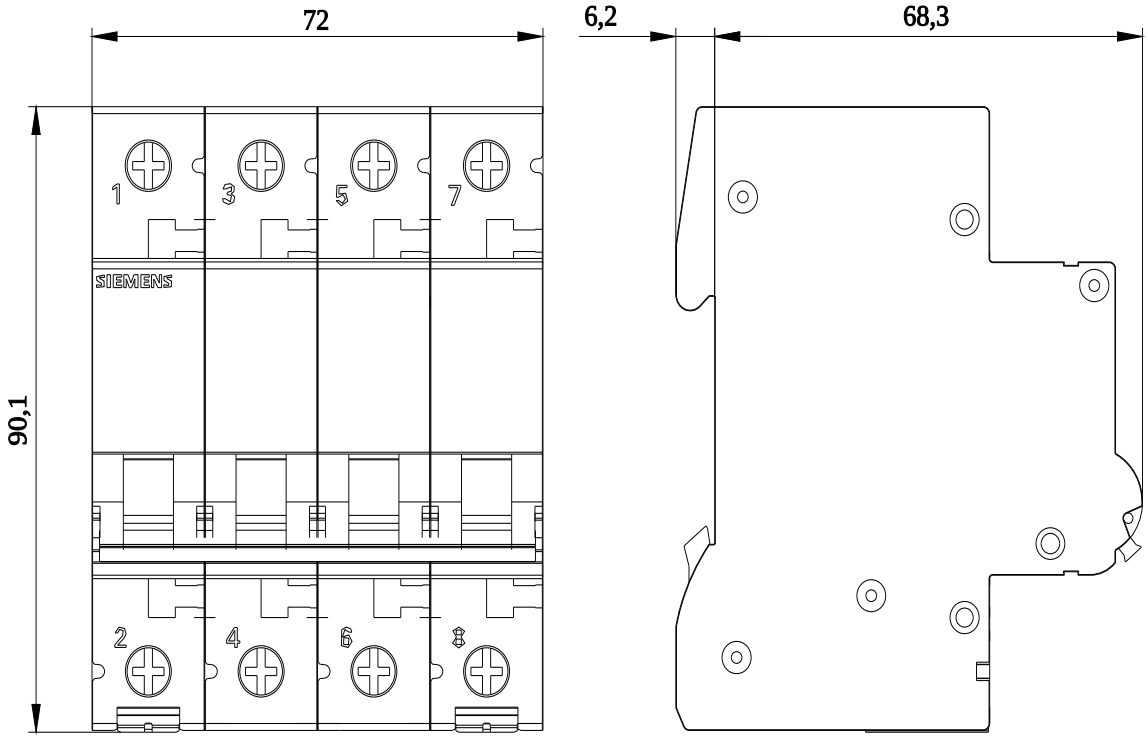
| General Product Approval | | other | |
|---|---|---|---|
| Confirmation | CE EG-Konf. UK CA | Confirmation | 产品合格 QC PASS |

**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,…)**

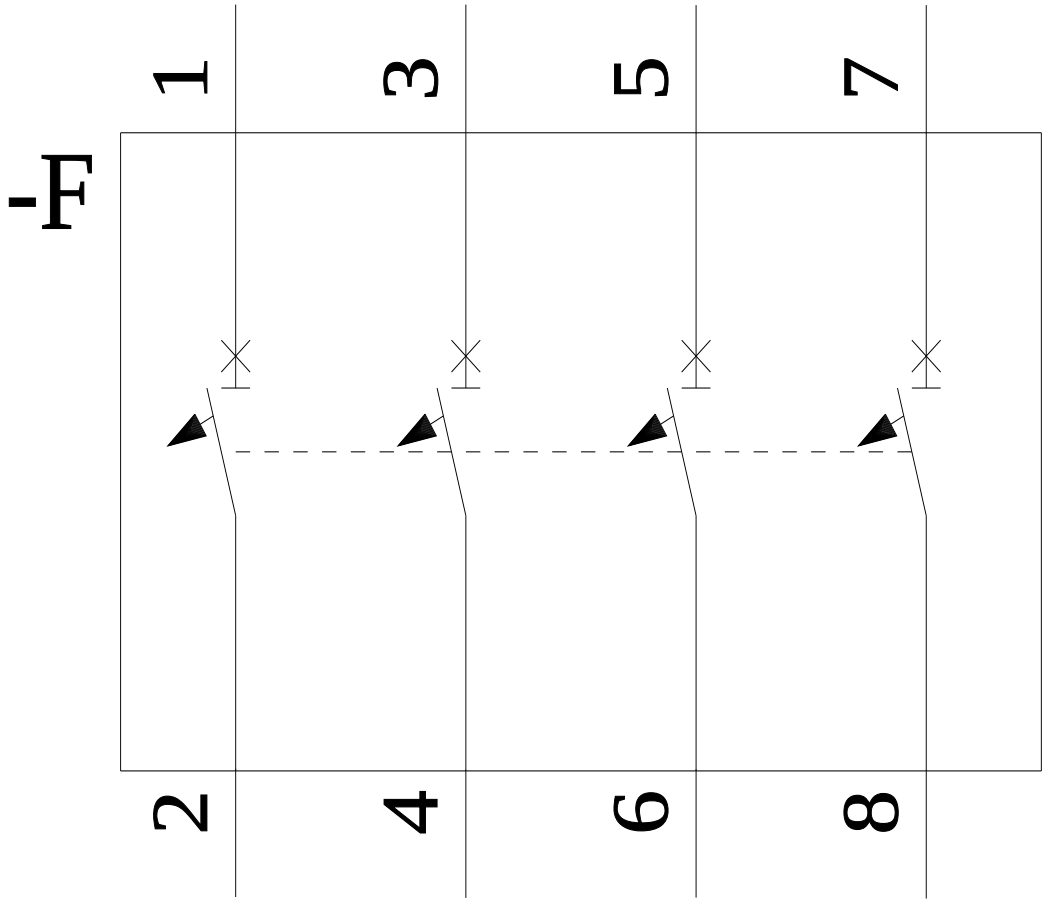

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https://www.siemens.com/lowvoltage/catalogs
**Industry Mall (Online ordering system)**
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6416-7BB
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/5SL6416-7BB
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
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**CAx-Online-Generator**
https://www.siemens.com/cax
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