SIEMENS

## Data sheet 5SL4116-8

CIRCUIT BREAKER 230/400V 10KA, 1POLE, D, 16A




| | | |
|---|---|---|
| **Model** | | |
| **product brand name** | | SENTRON |
| **Product designation** | | Miniature circuit breakers |
| **Design of the product** | | 5SL miniature circuit breakers |
| **General technical data** | | |
| **Number of poles** | | 1 |
| **Number of poles / Note** | | 1P |
| **Tripping characteristic class** | | D |
| **circuit-breaker / Design** | | 5SL4 |
| **Mechanical service life (switching cycles) / typical** | | 10 000 |
| **Overvoltage category** | | 3 |
| **Voltage** | | |
| **Type of voltage** | | AC/DC |
| **Insulation voltage** | | |
| • with single-phase operation / at AC / rated value | V | 440 |
| • with multi-phase operation / at AC / rated value | V | 440 |
| **Supply voltage** | | |


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| | | |
|---|---|---|
| Supply voltage frequency / rated value | Hz | 50 |
| **Protection class** | | |
| **Protection class IP** | | IP20, with connected conductors |
| **Energy limiting class** | | 3 |
| **Switching capacity** | | |
| **Switching capacity current** | | |
| • acc. to EN 60898 / rated value | kA | 10 |
| • acc. to IEC 60947-2 / rated value | kA | 10 |
| **Dissipation** | | |
| **Power loss [W]** | | |
| • for rated value of the current / at AC / in hot operating state / per pole | W | 1.24 |
| • maximum | W | 1.2 |
| **Electricity** | | |
| rated current In / IEC, DIN/VDE / at 40 Cel | A | 14.78 |
| Current / at AC / rated value | A | 16 |
| **Main circuit** | | |
| **Operating voltage** | | |
| • minimum | V | 24 |
| • at DC / rated value / maximum | V | 60 |
| • with single-phase operation / at AC / maximum | V | 250 |
| • with multi-phase operation / at AC / maximum | V | 440 |
| **Product details** | | |
| Product feature / Touch protection | | Yes |
| **Product feature** | | |
| • halogen-free | | Yes |
| • sealable | | Yes |
| • silicon-free | | Yes |
| Product extension / can be installed / supplementary devices | | Yes |
| **Product function** | | |
| Product function / neutral conductor switching | | No |
| **Number** | | |
| **Number of test cycles / for environmental testing / acc. to IEC 60068-2-30** | | 6 |
| **Connections** | | |
| **Connectable conductor cross-section / stranded** | | |
| • minimum | mm² | 0.75 |
| • maximum | mm² | 35 |


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| | | |
|---|---|---|
| **Connectable conductor cross-section** | | |
| • solid | | |
| — minimum | mm² | 0.75 |
| — maximum | mm² | 35 |
| • finely stranded / with core end processing | | |
| — minimum | mm² | 0.75 |
| — maximum | mm² | 25 |
| **Tightening torque / with screw-type terminals** | | |
| • minimum | N·m | 2.5 |
| • maximum | N·m | 3 |

## Mechanical Design

| | | |
|---|---|---|
| **Height** | mm | 90 |
| **Width** | mm | 18 |
| **Depth** | mm | 76 |
| **Mounting position** | | any |
| **Installation depth** | mm | 70 |
| **Number of width units** | | 1 |
| **Net weight** | g | 165 |

## Environmental conditions

| | | |
|---|---|---|
| **Degree of pollution** | | 2 |
| **Influence of the surrounding temperature** | | +55 °C, max. 95% humidity |
| **Ambient temperature** | | |
| • minimum | °C | -25 |
| • maximum | °C | 55 |
| • during storage / minimum | °C | -40 |
| • during storage / maximum | °C | 75 |

## Certificates

| | | |
|---|---|---|
| **Equipment marking** | | |
| • acc. to DIN EN 61346-2 | | F |
| • acc. to DIN EN 81346-2 | | F |

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

CEBEC IMQ VDE EG-Konf.

## Further information

**Information- and Downloadcenter (Catalogs, Brochures,…)**
http://www.siemens.com/lowvoltage/catalogs

**Industry Mall (Online ordering system)**
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SL41168


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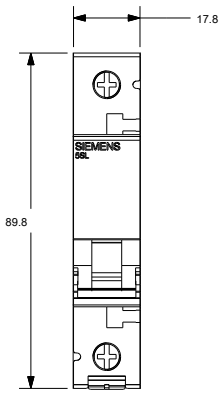
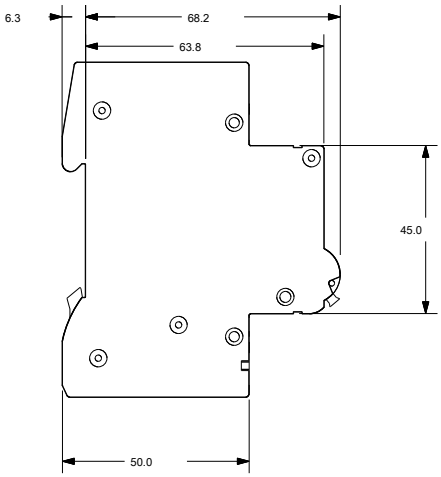
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
http://support.automation.siemens.com/WW/view/en/5SL41168/all

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL41168

**CAx-Online-Generator**
http://www.siemens.com/cax

**Tender specifications**
http://ausschreibungstexte.siemens.com/tiplv

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