

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



| Model   |                                |
|---|--------------------------------|
| Product brand name  | SENTRON                        |
| Product designation   | Miniature circuit breaker      |
| Design of the product   | 5SL miniature circuit breakers |
| General technical data  |                                |
| Number of poles   | 1                              |
| Number of poles / Note  | 1P                             |
| Tripping characteristic class   | C                              |
| circuit-breaker / Design  | 5SL6                           |
| Mechanical service life (switching cycles) / typical  | 10 000                         |
| Overvoltage category  | 3                              |
| Degree of pollution   | 2                              |
| Voltage   |                                |
| Insulation voltage  |                                |
| <ul style="list-style-type: none"> <li>with single-phase operation / at AC / rated value</li> </ul> | 250 V                          |
| <ul style="list-style-type: none"> <li>with multi-phase operation / at AC / rated value</li> </ul>  | 440 V                          |
| Supply voltage  |                                |

|  |       |
|--|-------|
| Type of voltage                                | AC    |
| Operating current / at AC / rated value        | 6 A   |
| Supply voltage / at AC / rated value           | 400 V |
| Operating voltage                              |       |
| • with multi-phase operation / at AC / maximum | 440 V |
| • at DC / rated value / maximum                | 72 V  |
| Supply voltage frequency                       |       |
| • rated value                                  | 50 Hz |

|                         |                                 |
|-------------------------|---------------------------------|
| <b>Protection class</b> |                                 |
| Protection class IP     | IP20, with connected conductors |

|                                     |      |
|-------------------------------------|------|
| <b>Switching capacity</b>           |      |
| Switching capacity current          |      |
| • acc. to EN 60898 / rated value    | 6 kA |
| • acc. to IEC 60947-2 / rated value | 6 kA |
| Energy limiting class               | 3    |

|   |       |
|---|-------|
| <b>Dissipation</b>  |       |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 0.7 W |

|   |                                      |
|---|--------------------------------------|
| <b>Current</b>  |                                      |
| Tripping residual / rated value / derated current / at 40 Cel | 5.64 A                               |
| Suitability for operation                                     | Residential buildings/infrastructure |

|  |     |
|--|-----|
| <b>Product details</b>                                       |     |
| Product function / neutral conductor switching               | No  |
| Product feature / Touch protection                           | Yes |
| Product feature  |     |
| • halogen-free   | Yes |
| • sealable   | Yes |
| • silicon-free   | Yes |
| Product extension / can be installed / supplementary devices | Yes |

|  |                      |
|--|----------------------|
| <b>Connections</b>   |                      |
| Connectable conductor cross-section / solid                                      |                      |
| • minimum  | 0.75 mm <sup>2</sup> |
| • maximum  | 25 mm <sup>2</sup>   |
| Connectable conductor cross-section / stranded                                   |                      |
| • minimum  | 0.75 mm <sup>2</sup> |
| • maximum  | 25 mm <sup>2</sup>   |
| Connectable conductor cross-section / finely stranded / with core end processing |                      |
| • minimum  | 0.75 mm <sup>2</sup> |

|   |                    |
|---|--------------------|
| • maximum                                     | 25 mm <sup>2</sup> |
| 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 width units | 1     |
| Mounting position     | any   |
| Net weight            | 115 g |

### Environmental conditions

|  |                                       |
|--|---------------------------------------|
| Influence of the surrounding temperature | Periodically +55°C, max. 95% humidity |
| Ambient temperature                      |                                       |
| • minimum                                | -25 °C                                |
| • maximum                                | 45 °C                                 |
| Ambient temperature / during storage     |                                       |
| • minimum                                | -40 °C                                |
| • maximum                                | 75 °C                                 |

### Certificates

|                          |   |
|--------------------------|---|
| Reference code           |   |
| • acc. to DIN EN 61346-2 | F |
| • acc. to DIN EN 81346-2 | F |

#### General Product Approval



[TSE](#)



EG-Konf.

#### Declaration of Conformity

### Further information

#### 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=5SL6106-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6106-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6106-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6106-7)

#### CAX-Online-Generator

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

#### Tender specifications

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



