

CIRCUIT BREAKER 230/400V 6KA, 1POLE, C, 10A



| Model                                                |                                |
|------------------------------------------------------|--------------------------------|
| Product brand name                                   | SETRON                         |
| 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                              |
| Voltage                                              |                                |
| Type of voltage                                      | AC                             |
| Insulation voltage                                   |                                |
| • with single-phase operation / at AC / rated value  | 250 V                          |
| • with multi-phase operation / at AC / rated value   | 440 V                          |
| Supply voltage                                       |                                |

|                                                                              |                                      |
|------------------------------------------------------------------------------|--------------------------------------|
| Supply voltage / at AC / rated value                                         | 400 V                                |
| Supply voltage frequency / rated value                                       | 50 Hz                                |
| <b>Protection class</b>                                                      |                                      |
| Protection class IP                                                          | IP20, with connected conductors      |
| Energy limiting class                                                        | 3                                    |
| <b>Switching capacity</b>                                                    |                                      |
| Switching capacity current                                                   |                                      |
| • acc. to EN 60898 / rated value                                             | 6 kA                                 |
| • acc. to IEC 60947-2 / rated value                                          | 6 kA                                 |
| <b>Dissipation</b>                                                           |                                      |
| Power loss [W]                                                               |                                      |
| • for rated value of the current / at AC / in hot operating state / per pole | 1.3 W                                |
| • maximum                                                                    | 1.3 W                                |
| <b>Electricity</b>                                                           |                                      |
| rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel                      | 9.39336 A                            |
| Current / at AC / rated value                                                | 10 A                                 |
| <b>Main circuit</b>                                                          |                                      |
| Operating voltage                                                            |                                      |
| • minimum                                                                    | 24 V                                 |
| • at DC / rated value / maximum                                              | 60 V                                 |
| • with single-phase operation / at AC / maximum                              | 250 V                                |
| • with multi-phase operation / at AC / maximum                               | 440 V                                |
| Suitability for operation                                                    | Residential buildings/infrastructure |
| <b>Product details</b>                                                       |                                      |
| Product feature / Touch protection                                           | Yes                                  |
| Product feature                                                              |                                      |
| • halogen-free                                                               | Yes                                  |
| • sealable                                                                   | Yes                                  |
| • silicon-free                                                               | Yes                                  |
| Product extension / can be installed / supplementary devices                 | Yes                                  |
| <b>Product function</b>                                                      |                                      |
| Product function / neutral conductor switching                               | No                                   |
| <b>Number</b>                                                                |                                      |
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30   | 6                                    |
| <b>Connections</b>                                                           |                                      |
| Connectable conductor cross-section / stranded                               |                                      |

|                                                      |                      |
|------------------------------------------------------|----------------------|
| • minimum                                            | 0.75 mm <sup>2</sup> |
| • maximum                                            | 25 mm <sup>2</sup>   |
| <b>Connectable conductor cross-section</b>           |                      |
| • solid                                              |                      |
| — minimum                                            | 0.75 mm <sup>2</sup> |
| — maximum                                            | 25 mm <sup>2</sup>   |
| • finely stranded / with core end processing         |                      |
| — minimum                                            | 0.75 mm <sup>2</sup> |
| — maximum                                            | 25 mm <sup>2</sup>   |
| <b>Tightening torque / with screw-type terminals</b> |                      |
| • minimum                                            | 2.5 N·m              |
| • maximum                                            | 3 N·m                |

| Mechanical Design     |       |
|-----------------------|-------|
| Height                | 90 mm |
| Width                 | 18 mm |
| Depth                 | 76 mm |
| Mounting position     | any   |
| Installation depth    | 70 mm |
| Number of width units | 1     |
| Net weight            | 115 g |

| Environmental conditions                 |                                       |
|------------------------------------------|---------------------------------------|
| Degree of pollution                      | 2                                     |
| Influence of the surrounding temperature | Periodically +55°C, max. 95% humidity |

| Certificates                                    |   |
|-------------------------------------------------|---|
| • Reference identifier / acc. to DIN EN 61346-2 | F |
| • Reference identifier / acc. to DIN EN 81346-2 | F |

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



[TSE](#)



[Miscellaneous](#)

EG-Konf.

## 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=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](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6110-7)



