

Miniature circuit breaker 230/400 V 10kA, 1-pole, C, 2A



| 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                             | 5SL4   |
| Mechanical service life (switching cycles) / typical | 10 000 |
| Overvoltage category                                 | 3      |

| Voltage   |       |
|---|-------|
| Type of voltage   | AC    |
| 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

|   |                                      |
|---|--------------------------------------|
| 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  | 10 kA                                |
| • acc. to IEC 60947-2 / rated value   | 10 kA                                |
| <b>Dissipation</b>  |                                      |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 1.2 W                                |
| <b>Electricity</b>  |                                      |
| Tripping residual / rated value / derated current / at 40 Cel                               | 1.92 A                               |
| Current / at AC / rated value   | 2 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                  | 28                                   |
| <b>Connections</b>  |                                      |
| Connectable conductor cross-section / stranded  |                                      |
| • minimum   | 0.75 mm <sup>2</sup>                 |

|   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• maximum</li> </ul>   | 25 mm <sup>2</sup>   |
| <b>Connectable conductor cross-section</b>  |  |
| <ul style="list-style-type: none"> <li>• solid <ul style="list-style-type: none"> <li>— minimum</li> <li>— maximum</li> </ul> </li> <li>• finely stranded / with core end processing <ul style="list-style-type: none"> <li>— minimum</li> <li>— maximum</li> </ul> </li> </ul> | 0.75 mm <sup>2</sup><br>25 mm <sup>2</sup><br>0.75 mm <sup>2</sup><br>25 mm <sup>2</sup> |
| <b>Tightening torque / with screw-type terminals</b>  |  |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>  | 2.5 N·m<br>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            | 150 g |

| Environmental conditions   |                                    |
|--|------------------------------------|
| Degree of pollution  | 2                                  |
| Influence of the surrounding temperature   | +55 °C, max. 95% humidity          |
| Ambient temperature  |                                    |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> <li>• during storage / minimum</li> <li>• during storage / maximum</li> </ul> | -25 °C<br>55 °C<br>-40 °C<br>75 °C |

| Certificates   |        |
|--|--------|
| Reference code   |        |
| <ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> <li>• acc. to DIN EN 81346-2</li> </ul> | F<br>F |

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



[Miscellaneous](#)



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### 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=5SL4102-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4102-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL4102-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4102-7)

**CAX-Online-Generator**

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

**Tender specifications**

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



