

Miniature circuit breaker 230/400 V 10kA, 1-pole, B, 3A



| 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                        | B                              |
| circuit-breaker / Design                             | 5SL4                           |
| 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                                                            | 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 | 1.9 W                                |
| <b>Electricity</b>                                                                          |                                      |
| Tripping residual / rated value / derated current / at 40 Cel                               | 2.84 A                               |
| Current / at AC / rated value                                                               | 3 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>                 |

|                                                      |                      |
|------------------------------------------------------|----------------------|
| • 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            | 145 g |

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

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

| General Product Approval                                                                                                                                                                                                                                    | Declaration of Conformity                                                                                                          | Test Certificates             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
|    | <a href="#">Miscellaneous</a><br><br>EG-Konf. | <a href="#">Miscellaneous</a> |

| Further information                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Information- and Downloadcenter (Catalogs, Brochures,...)</b><br><a href="http://www.siemens.com/lowvoltage/catalogs">http://www.siemens.com/lowvoltage/catalogs</a> |

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL4103-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4103-6>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL4103-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4103-6)

**CAX-Online-Generator**

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

**Tender specifications**

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



