

Miniature circuit breaker 400 V 10kA, 3-pole, D, 0.5A



| Model  |                                |
|--|--------------------------------|
| Product brand name   | SENTRON                        |
| Product designation  | Miniature circuit breaker      |
| Design of the product  | 5SL miniature circuit breakers |
| General technical data   |                                |
| Number of poles  | 3                              |
| Number of poles / Note   | 3P                             |
| Tripping characteristic class  | D                              |
| circuit-breaker / Design   | 5SL4                           |
| Mechanical service life (switching cycles) / typical   | 10 000                         |
| Overvoltage category   | 3                              |
| Voltage  |                                |
| Insulation voltage   | 440 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                             |
| Current / at AC / rated value  | 0.5 A                          |
| Supply voltage / at AC / rated value   | 400 V                          |

|   |               |
|---|---------------|
| Operating voltage   |               |
| <ul style="list-style-type: none"> <li>• with multi-phase operation / at AC / maximum</li> <li>• at DC / rated value / maximum</li> </ul> | 440 V<br>60 V |
| Supply voltage frequency  |               |
| <ul style="list-style-type: none"> <li>• rated value</li> </ul>   | 50 Hz         |

### Protection class

|                     |                                 |
|---------------------|---------------------------------|
| Protection class IP | IP20, with connected conductors |
|---------------------|---------------------------------|

### Switching capacity

|   |                |
|---|----------------|
| Switching capacity current  |                |
| <ul style="list-style-type: none"> <li>• acc. to EN 60898 / rated value</li> <li>• acc. to IEC 60947-2 / rated value</li> </ul> | 10 kA<br>10 kA |
| Energy limiting class   | 3              |

### Dissipation

|   |       |
|---|-------|
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 0.9 W |
|---|-------|

### Current

|   |                                      |
|---|--------------------------------------|
| Tripping residual / rated value / derated current / at 40 Cel | 0.47 A                               |
| Suitability for operation                                     | Residential buildings/infrastructure |

### Product details

|  |                   |
|--|-------------------|
| Product function / neutral conductor switching   | No                |
| Product feature / Touch protection   | Yes               |
| Product feature  |                   |
| <ul style="list-style-type: none"> <li>• halogen-free</li> <li>• sealable</li> <li>• silicon-free</li> </ul> | Yes<br>Yes<br>Yes |
| Product extension / can be installed / supplementary devices   | Yes               |

### Connections

|  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Connectable conductor cross-section <ul style="list-style-type: none"> <li>— solid</li> <li>— stranded</li> </ul> </li> <li>• Connectable conductor cross-section / finely stranded / with core end processing</li> </ul> | 0.75 ... 25 mm <sup>2</sup><br>0.75 ... 25 mm <sup>2</sup><br>0.75 ... 25 mm <sup>2</sup> |
| Tightening torque / with screw-type terminals  | 2.5 ... 3 N·m   |

### Mechanical Design

|                    |       |
|--------------------|-------|
| Height             | 90 mm |
| Width              | 54 mm |
| Depth              | 76 mm |
| Installation depth | 70 mm |

|                       |       |
|-----------------------|-------|
| Number of width units | 3     |
| Mounting position     | any   |
| Net weight            | 440 g |

#### Environmental conditions

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

#### Certificates

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

#### General Product Approval

#### 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=5SL4305-8>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4305-8>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL4305-8](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4305-8)

##### CAX-Online-Generator

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

##### Tender specifications

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



