

Miniature circuit breaker 400 V 10kA, 3-pole, C, 50 A



| 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                                                                      | C                              |
| 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                                                                      | 50 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         |

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

|                                                                                                                                 |                |
|---------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>Switching capacity</b>                                                                                                       |                |
| 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              |

|                                                                                             |       |
|---------------------------------------------------------------------------------------------|-------|
| <b>Dissipation</b>                                                                          |       |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 3.6 W |

|                                                               |                                      |
|---------------------------------------------------------------|--------------------------------------|
| <b>Current</b>                                                |                                      |
| Tripping residual / rated value / derated current / at 40 Cel | 47.36 A                              |
| Suitability for operation                                     | Residential buildings/infrastructure |

|                                                                                                              |                   |
|--------------------------------------------------------------------------------------------------------------|-------------------|
| <b>Product details</b>                                                                                       |                   |
| 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               |

|                                                                                                                                                                                                                                                                    |                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Connections</b>                                                                                                                                                                                                                                                 |                                                                                           |
| <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                                                                             |

|                          |       |
|--------------------------|-------|
| <b>Mechanical Design</b> |       |
| Height                   | 90 mm |
| Width                    | 54 mm |
| Depth                    | 76 mm |
| Installation depth       | 70 mm |

|                       |       |
|-----------------------|-------|
| Number of width units | 3     |
| Mounting position     | any   |
| Net weight            | 470 g |

### Environmental conditions

|                                                                  |                           |
|------------------------------------------------------------------|---------------------------|
| Influence of the surrounding temperature                         | +55 °C, max. 95% humidity |
| Ambient temperature                                              | -25 ... +55 °C            |
| <ul style="list-style-type: none"> <li>during storage</li> </ul> | -40 ... +75 °C            |

### Certificates

|                                                                          |   |
|--------------------------------------------------------------------------|---|
| Reference code                                                           |   |
| <ul style="list-style-type: none"> <li>acc. to DIN EN 61346-2</li> </ul> | F |
| <ul style="list-style-type: none"> <li>acc. to DIN EN 81346-2</li> </ul> | 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=5SL4350-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4350-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL4350-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4350-7)

#### CAX-Online-Generator

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

#### Tender specifications

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



