

Miniature circuit breaker 230 V 10kA, 1+N-pole, C, 32 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                                      | 2                              |
| Number of poles / Note                               | 1P+N                           |
| Tripping characteristic class                        | C                              |
| circuit-breaker / Design                             | 5SL4                           |
| Mechanical service life (switching cycles) / typical | 10 000                         |
| Overvoltage category                                 | 3                              |
| Degree of pollution                                  | 2                              |
| Voltage                                              |                                |
| Insulation voltage                                   | 250 V                          |
| • with single-phase operation / at AC / rated value  |                                |
| Supply voltage                                       |                                |
| Type of voltage                                      | AC                             |

|                                                                                                     |       |
|-----------------------------------------------------------------------------------------------------|-------|
| Operating current / at AC / rated value                                                             | 32 A  |
| Supply voltage / at AC / rated value                                                                | 230 V |
| Operating voltage <ul style="list-style-type: none"> <li>• at DC / rated value / maximum</li> </ul> | 72 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 | 2.6 W |
|---------------------------------------------------------------------------------------------|-------|

#### Current

|                                                               |                                      |
|---------------------------------------------------------------|--------------------------------------|
| Tripping residual / rated value / derated current / at 40 Cel | 29.56 A                              |
| Suitability for operation                                     | Residential buildings/infrastructure |

#### Product details

|                                                                                                                              |                   |
|------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Product function / neutral conductor switching                                                                               | Yes               |
| 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

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

|           |         |
|-----------|---------|
| • minimum | 2.5 N·m |
| • maximum | 3 N·m   |

## Mechanical Design

|                       |       |
|-----------------------|-------|
| Height                | 90 mm |
| Width                 | 36 mm |
| Depth                 | 76 mm |
| Installation depth    | 70 mm |
| Number of width units | 2     |
| Mounting position     | any   |
| Net weight            | 295 g |

## Environmental conditions

|                                          |                           |
|------------------------------------------|---------------------------|
| Influence of the surrounding temperature | +55 °C, max. 95% humidity |
| Ambient temperature                      |                           |
| • minimum                                | -25 °C                    |
| • maximum                                | 55 °C                     |
| Ambient temperature / during storage     |                           |
| • minimum                                | -40 °C                    |
| • 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 Certific- ates



[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=5SL4532-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4532-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL4532-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4532-7)

### CAX-Online-Generator

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

### Tender specifications

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



