



Miniature circuit breaker 230/400 V 10kA, 1-pole, B, 32 A

| Model                                                                                       |                                      |
|---------------------------------------------------------------------------------------------|--------------------------------------|
| product brand name                                                                          | SENTRON                              |
| product designation                                                                         | Miniature circuit breaker            |
| General technical data                                                                      |                                      |
| number of poles                                                                             | 1                                    |
| design of pole                                                                              | 1P                                   |
| tripping characteristic class                                                               | B                                    |
| mechanical service life (switching cycles) / typical                                        | 10 000                               |
| overvoltage category                                                                        | III                                  |
| degree of pollution                                                                         | 2                                    |
| Voltage                                                                                     |                                      |
| type of voltage / of the operating voltage                                                  | AC                                   |
| insulation voltage (Ui)                                                                     |                                      |
| • 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                                |
| operating voltage                                                                           |                                      |
| • with multi-phase operation / at AC / maximum                                              | 440 V                                |
| • at DC / rated value / maximum                                                             | 72 V                                 |
| Protection class                                                                            |                                      |
| protection class IP                                                                         | IP20, with connected conductors      |
| Switching capacity                                                                          |                                      |
| switching capacity current                                                                  |                                      |
| • acc. to EN 60898 / rated value                                                            | 10 kA                                |
| • acc. to IEC 60947-2 / rated value                                                         | 10 kA                                |
| energy limitation class                                                                     | 3                                    |
| Dissipation                                                                                 |                                      |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 2.7 W                                |
| Current                                                                                     |                                      |
| operational current                                                                         |                                      |
| • at 30 °C / rated value                                                                    | 32 A                                 |
| • at 40 °C / rated value                                                                    | 29.56 A                              |
| • at 45 °C / rated value                                                                    | 28.16 A                              |
| • at 55 °C / rated value                                                                    | 25.48 A                              |
| • at AC / rated value                                                                       | 32 A                                 |
| suitability for operation                                                                   | Residential buildings/infrastructure |
| Product details                                                                             |                                      |

|                                                         |     |
|---------------------------------------------------------|-----|
| product component / neutral conductor switching         | No  |
| product feature / touch protection                      | Yes |
| product feature                                         |     |
| • halogen-free                                          | Yes |
| • sealable                                              | Yes |
| • silicon-free                                          | Yes |
| product extension / installable / supplementary devices | Yes |

#### Connections

|                                                                                  |                      |
|----------------------------------------------------------------------------------|----------------------|
| connectable conductor cross-section / solid                                      |                      |
| • minimum                                                                        | 0.75 mm <sup>2</sup> |
| • maximum                                                                        | 25 mm <sup>2</sup>   |
| connectable conductor cross-section / stranded                                   |                      |
| • minimum                                                                        | 0.75 mm <sup>2</sup> |
| • maximum                                                                        | 25 mm <sup>2</sup>   |
| connectable conductor cross-section / finely stranded / with core end processing |                      |
| • minimum                                                                        | 0.75 mm <sup>2</sup> |
| • maximum                                                                        | 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                         | 18 mm |
| depth                         | 76 mm |
| installation depth            | 70 mm |
| number of modular width units | 1     |
| mounting position             | any   |
| net weight                    | 145 g |

#### Environmental conditions

|                                        |        |
|----------------------------------------|--------|
| ambient temperature / during operation |        |
| • 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 IEC 81346-2    | F |

#### General Product Approval

Declaration of  
Conformity



[Miscellaneous](#)



#### Test Certificates

other

[Miscellaneous](#)

[Miscellaneous](#)

#### 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=5SL4132-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4132-6>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL4132-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4132-6)

CAX-Online-Generator

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

Tender specifications

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



