

CIRCUIT BREAKER 230/400V 10KA, 1POLE, B, 3A



| Model                                                |   |                                |
|------------------------------------------------------|---|--------------------------------|
| product brand name                                   |   | SETRON                         |
| Product designation                                  |   | Miniature circuit breakers     |
| 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/DC                          |
| Insulation voltage                                   |   |                                |
| • with single-phase operation / at AC / Rated value  | V | 440                            |
| • with multi-phase operation / at AC / Rated value   | V | 440                            |

|                                                                              |                 |                                 |
|------------------------------------------------------------------------------|-----------------|---------------------------------|
| Supply voltage                                                               |                 |                                 |
| Supply voltage frequency / Rated value                                       | Hz              | 50                              |
| Protection class                                                             |                 |                                 |
| Protection class IP                                                          |                 | IP20, with connected conductors |
| Energy limiting class                                                        |                 | 3                               |
| Switching capacity                                                           |                 |                                 |
| Switching capacity current                                                   |                 |                                 |
| • acc. to EN 60898 / Rated value                                             | kA              | 10                              |
| • acc. to IEC 60947-2 / Rated value                                          | kA              | 10                              |
| Dissipation                                                                  |                 |                                 |
| Active power loss                                                            |                 |                                 |
| • for rated value of the current / at AC / in hot operating state / per pole | W               | 1.94                            |
| Electricity                                                                  |                 |                                 |
| rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel                      | A               | 2.84                            |
| Current / at AC / Rated value                                                | A               | 3                               |
| Main circuit                                                                 |                 |                                 |
| Operating voltage                                                            |                 |                                 |
| • minimum                                                                    | V               | 24                              |
| • at DC / Rated value / maximum                                              | V               | 60                              |
| • with single-phase operation / at AC / maximum                              | V               | 250                             |
| • with multi-phase operation / at AC / maximum                               | V               | 440                             |
| Product details                                                              |                 |                                 |
| Product feature / Touch protection                                           |                 | Yes                             |
| Product property                                                             |                 |                                 |
| • halogen-free                                                               |                 | Yes                             |
| • sealable                                                                   |                 | Yes                             |
| • silicon-free                                                               |                 | Yes                             |
| Product expansion / can be installed / supplementary devices                 |                 | Yes                             |
| Product function                                                             |                 |                                 |
| Product function / neutral conductor switching                               |                 | No                              |
| Number                                                                       |                 |                                 |
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30   |                 | 6                               |
| Connections                                                                  |                 |                                 |
| Connectable conductor cross-section / stranded                               |                 |                                 |
| • minimum                                                                    | mm <sup>2</sup> | 0.75                            |
| • maximum                                                                    | mm <sup>2</sup> | 35                              |

|                                                      |                 |      |
|------------------------------------------------------|-----------------|------|
| <b>Connectable conductor cross-section</b>           |                 |      |
| • solid                                              |                 |      |
| — minimum                                            | mm <sup>2</sup> | 0.75 |
| — maximum                                            | mm <sup>2</sup> | 35   |
| • finely stranded / with core end processing         |                 |      |
| — minimum                                            | mm <sup>2</sup> | 0.75 |
| — maximum                                            | mm <sup>2</sup> | 25   |
| <b>Tightening torque / with screw-type terminals</b> |                 |      |
| • minimum                                            | N·m             | 2.5  |
| • maximum                                            | N·m             | 3    |

## Mechanical Design

|                       |    |     |
|-----------------------|----|-----|
| Height                | mm | 90  |
| Width                 | mm | 18  |
| Depth                 | mm | 76  |
| mounting position     |    | any |
| Installation depth    | mm | 70  |
| Number of width units |    | 1   |
| Net weight            | g  | 165 |

## Environmental conditions

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

## Certificates

|                          |  |   |
|--------------------------|--|---|
| <b>Equipment marking</b> |  |   |
| • acc. to DIN EN 61346-2 |  | F |
| • acc. to DIN EN 81346-2 |  | F |

## General Product Approval

## Declaration of Conformity



## Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SL41036>

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

<http://support.automation.siemens.com/WW/view/en/5SL41036/all>

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

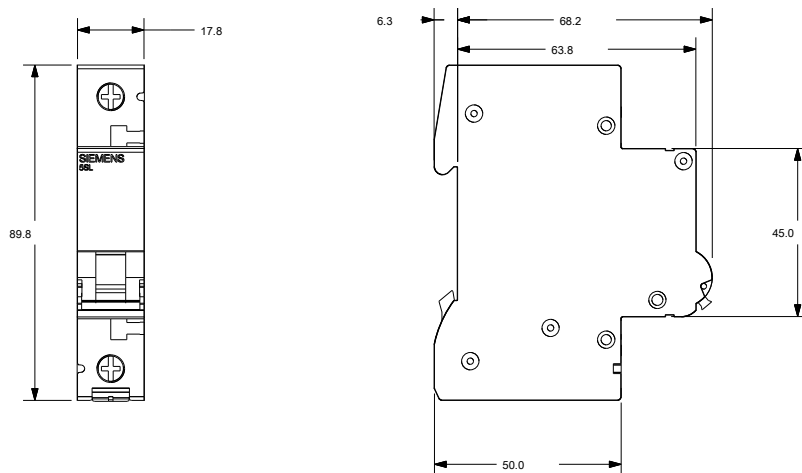
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL41036](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL41036)

**CAX-Online-Generator**

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

**Tender specifications**

<http://ausschreibungstexte.siemens.com/tiplv>



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