

CIRCUIT BREAKER 230V 6KA, 1+N-POLE/1MW B6



| Model                                                |                                 |
|------------------------------------------------------|---------------------------------|
| Product brand name                                   | SENTRON                         |
| Product designation                                  | Miniature circuit breaker       |
| General technical data                               |                                 |
| Number of poles / Note                               | 1P+N                            |
| Tripping characteristic class                        | B                               |
| Mechanical service life (switching cycles) / typical | 10 000                          |
| Overvoltage category                                 | III                             |
| Supply voltage                                       |                                 |
| Type of voltage                                      | AC                              |
| Current / at AC / rated value                        | 6 A                             |
| Supply voltage                                       |                                 |
| • at AC / rated value                                | 230 V                           |
| Operating voltage                                    |                                 |
| • minimum                                            | 24 V                            |
| • with single-phase operation / at AC / maximum      | 250 V                           |
| Protection class                                     |                                 |
| Protection class IP                                  | IP20, with connected conductors |

| Switching capacity                                                                          |                      |
|---------------------------------------------------------------------------------------------|----------------------|
| Switching capacity current                                                                  |                      |
| • acc. to EN 60898 / rated value                                                            | 6 kA                 |
| Energy limiting class                                                                       | 3                    |
| Dissipation                                                                                 |                      |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 1.2 W                |
| Product details                                                                             |                      |
| Product function / neutral conductor switching                                              | Yes                  |
| Product feature / Touch protection                                                          | Yes                  |
| Product component                                                                           |                      |
| • combined terminal top                                                                     | No                   |
| • combined terminal bottom                                                                  | No                   |
| Product feature                                                                             |                      |
| • Properties for main switches in accordance with EN 60204-1                                | No                   |
| • halogen-free                                                                              | Yes                  |
| • sealable                                                                                  | Yes                  |
| • silicon-free                                                                              | Yes                  |
| Product extension / can be installed / supplementary devices                                | Yes                  |
| Connections                                                                                 |                      |
| Connectable conductor cross-section / stranded                                              |                      |
| • minimum                                                                                   | 0.75 mm <sup>2</sup> |
| • maximum                                                                                   | 16 mm <sup>2</sup>   |
| Connectable conductor cross-section / finely stranded / with core end processing            |                      |
| • minimum                                                                                   | 0.75 mm <sup>2</sup> |
| • maximum                                                                                   | 10 mm <sup>2</sup>   |
| Tightening torque [lbf·in] / with screw-type terminals                                      |                      |
| • minimum                                                                                   | 17.7 lbf·in          |
| • maximum                                                                                   | 22.1 lbf·in          |
| Position / of power supply cord                                                             | Any                  |
| Mechanical Design                                                                           |                      |
| Height                                                                                      | 90 mm                |
| Width                                                                                       | 18 mm                |
| Depth                                                                                       | 76 mm                |
| Installation depth                                                                          | 70 mm                |
| Number of width units                                                                       | 1                    |
| Mounting type                                                                               | standard rail        |
| Mounting position                                                                           | any                  |

|            |         |
|------------|---------|
| Net weight | 113.2 g |
|------------|---------|

#### Environmental conditions

|                                                                            |        |
|----------------------------------------------------------------------------|--------|
| Vibration resistance / acc. to IEC 60068-2-6                               | Yes    |
| Ambient temperature                                                        |        |
| • minimum                                                                  | -25 °C |
| • maximum                                                                  | 45 °C  |
| Ambient temperature / during storage                                       |        |
| • minimum                                                                  | -40 °C |
| • maximum                                                                  | 75 °C  |
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30 | 6      |

#### Certificates

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

| General Product Approval | Declaration of Conformity | other |
|--------------------------|---------------------------|-------|
|--------------------------|---------------------------|-------|



CCC



IMQ



VDE



EG-Konf.

[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=5SL6006-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6006-6>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6006-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6006-6)

**CAX-Online-Generator**

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

**Tender specifications**

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



