

CIRCUIT BREAKER 230V 6KA, 1+N-POLE/1MW C6



| Model  |                           |
|--|---------------------------|
| Product brand name                                   | SENTRON                   |
| Product designation                                  | Miniature circuit breaker |
| General technical data                               |                           |
| Number of poles / Note                               | 1P+N                      |
| Tripping characteristic class                        | C                         |
| Mechanical service life (switching cycles) / typical | 10 000                    |
| Overvoltage category                                 | III                       |
| Degree of pollution                                  | 2                         |
| 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 |
| <b>Switching capacity</b>   |                                 |
| Switching capacity current  |                                 |
| • acc. to EN 60898 / rated value  | 6 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 | 1.4 W                           |
| <b>Product details</b>  |                                 |
| 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                             |
| <b>Connections</b>  |                                 |
| Connectable conductor cross-section / solid   |                                 |
| • minimum   | 0.75 mm <sup>2</sup>            |
| • maximum   | 16 mm <sup>2</sup>              |
| 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                     |
| Tightening torque / with screw-type terminals   |                                 |
| • minimum   | 2 N·m                           |
| • maximum   | 2.5 N·m                         |
| Position / of power supply cord   | Any                             |
| <b>Mechanical Design</b>  |                                 |

|                       |               |
|-----------------------|---------------|
| 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 |

|                                 |                                  |              |
|---------------------------------|----------------------------------|--------------|
| <b>General Product Approval</b> | <b>Declaration of Conformity</b> | <b>other</b> |
|---------------------------------|----------------------------------|--------------|



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?mfb=5SL6006-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6006-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=5SL6006-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SL6006-7)

**CAX-Online-Generator**

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

**Tender specifications**

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



