



CIRCUIT BREAKER 230V 6KA, 1+N-POLE, B, 50A

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**Technical data:**

|   |    |      |
|---|----|------|
| <b>mounting position</b>                              |    | any  |
| <b>Height</b>   | mm | 90   |
| <b>Width</b>  | mm | 72   |
| <b>Depth</b>  | mm | 76   |
| <b>Mounting depth</b>                                 | mm | 70   |
| <b>Current / for AC / rated value</b>                 | A  | 50   |
| <b>Tripping characteristic class</b>                  |    | B    |
| <b>Supply voltage</b>                                 |    |      |
| • for AC / rated value                                | V  | 230  |
| • with single-phase operation / with AC / rated value | V  | 230  |
| <b>Supply voltage frequency / rated value</b>         | Hz | 50   |
| <b>Operating voltage</b>                              |    |      |
| • minimum   | V  | 24   |
| • with single-phase operation / with AC / maximum     | V  | 250  |
| • for DC / rated value / maximum                      | V  | 60   |
| <b>Number of poles</b>                                |    | 2    |
| <b>Number of poles /note</b>                          |    | 1P+N |
| <b>Switching capacity current</b>                     |    |      |

|  |                 |                                       |
|--|-----------------|---------------------------------------|
| <ul style="list-style-type: none"> <li>• in accordance with IEC 60947-2 / rated value</li> <li>• acc. to EN 60898 / rated value</li> </ul>   | kA              | 6                                     |
|  | kA              | 6                                     |
| <b>Active power loss / at rated value current / with AC / in warm operating state / per pole</b>   | W               | 3.8                                   |
| <b>Number of pitch units for width</b>   |                 | 2                                     |
| <b>Product feature / sealable</b>  |                 | Yes                                   |
| <b>Protection class IP</b>   |                 | IP20, with connected conductors       |
| <b>Degree of pollution</b>   |                 | 2                                     |
| <b>Influence of the surrounding temperature</b>  |                 | Periodically +55°C, max. 95% humidity |
| <b>Ambient temperature</b>   | °C              | -25 ... +45                           |
| <b>Ambient temperature / during storage</b>  | °C              | -40 ... +75                           |
| <b>Mechanical operating cycles as operating time / typical</b>   |                 | 20,000                                |
| <b>Product equipment / touch-protection</b>  |                 | Yes                                   |
| <b>type of voltage</b>   |                 | AC/DC                                 |
| <b>Insulation voltage</b> <ul style="list-style-type: none"> <li>• with single-phase operation / with AC / rated value</li> </ul>  | V               | 250                                   |
| <b>Conductor cross-section that can be connected</b> <ul style="list-style-type: none"> <li>• solid</li> <li>• multibrin</li> <li>• finely stranded</li> <li>• with wire end processing</li> </ul> | mm <sup>2</sup> | 0.75 ... 35                           |
|  | mm <sup>2</sup> | 0.75 ... 35                           |
|  | mm <sup>2</sup> | 0.75 ... 25                           |
| <b>Tightening torque</b> <ul style="list-style-type: none"> <li>• with screw-type terminals</li> </ul>   | N·m             | 2.5 ... 3                             |
| <b>Product feature</b> <ul style="list-style-type: none"> <li>• [not supplied - silicon-free]</li> <li>• halogen-free</li> </ul>   |                 | Yes                                   |
|  |                 | Yes                                   |
| <b>Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30</b>   |                 | 6                                     |
| <b>Item designation / according to DIN EN 61346-2</b>  |                 | F                                     |
| <b>Device tag / according to DIN EN 81346-2</b>  |                 | F                                     |

#### Certificates/approvals:

##### General Product Approval

##### Declaration of Conformity



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other

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#### Further information:

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

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

**Industry Mall (Online ordering system)**

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

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

<http://support.automation.siemens.com/WW/view/en/5SL6550-6/all>

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

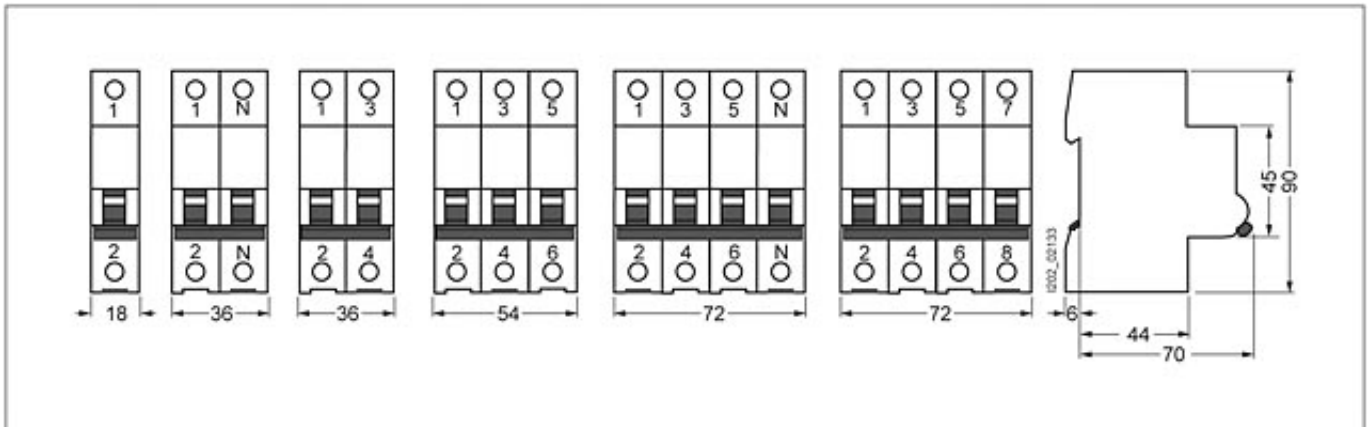
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6550-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6550-6)

**CAX-Online-Generator**

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

**Tender specifications**

[Datanorm](#) [GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)



last change:

Feb 18, 2013