



CIRCUIT BREAKER 230/400V 6KA, 1POLE, B, 20A

Similar to image

| Technical data:                                       |    |     |
|-------------------------------------------------------|----|-----|
| mounting position                                     |    | any |
| Height                                                | mm | 90  |
| Width                                                 | mm | 18  |
| Depth                                                 | mm | 76  |
| Mounting depth                                        | mm | 70  |
| Current / for AC / rated value                        | A  | 20  |
| Tripping characteristic class                         |    | B   |
| Supply voltage                                        |    |     |
| • for AC / rated value                                | V  | 400 |
| • with single-phase operation / with AC / rated value | V  | 230 |
| • with multi-phase operation / with AC / rated value  | V  | 400 |
| Supply voltage frequency / rated value                | Hz | 50  |
| Operating voltage                                     |    |     |
| • minimum                                             | V  | 24  |
| • with single-phase operation / with AC / maximum     | V  | 250 |
| • with multi-phase operation / with AC / maximum      | V  | 440 |
| • for DC / rated value / maximum                      | V  | 60  |
| Number of poles                                       |    | 1   |

|                                                                                                  |                 |                                       |
|--------------------------------------------------------------------------------------------------|-----------------|---------------------------------------|
| <b>Number of poles /note</b>                                                                     |                 | 1P                                    |
| <b>Switching capacity current</b>                                                                |                 |                                       |
| • in accordance with IEC 60947-2 / rated value                                                   | kA              | 6                                     |
| • acc. to EN 60898 / rated value                                                                 | kA              | 6                                     |
| <b>Active power loss / at rated value current / with AC / in warm operating state / per pole</b> | W               | 2.1                                   |
| <b>Number of pitch units for width</b>                                                           |                 | 1                                     |
| <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>                                                                        |                 |                                       |
| • with single-phase operation / with AC / rated value                                            | V               | 440                                   |
| • with multi-phase operation / with AC / rated value                                             | V               | 440                                   |
| <b>Conductor cross-section that can be connected</b>                                             |                 |                                       |
| • solid                                                                                          | mm <sup>2</sup> | 0.75 ... 35                           |
| • multibrin                                                                                      | mm <sup>2</sup> | 0.75 ... 35                           |
| • finely stranded                                                                                |                 |                                       |
| • with wire end processing                                                                       | mm <sup>2</sup> | 0.75 ... 25                           |
| <b>Tightening torque</b>                                                                         |                 |                                       |
| • with screw-type terminals                                                                      | N·m             | 2.5 ... 3                             |
| <b>Product feature</b>                                                                           |                 |                                       |
| • [not supplied - silicon-free]                                                                  |                 | Yes                                   |
| • halogen-free                                                                                   |                 | 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

[other](#)

### Further information:

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

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

#### Industry Mall (Online ordering system)

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

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

<http://support.automation.siemens.com/WW/view/en/5SL6120-6/all>

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

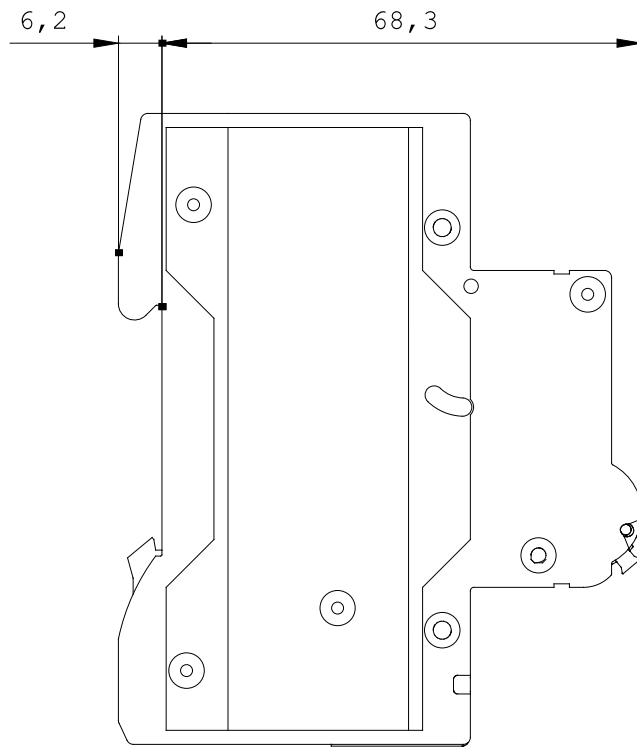
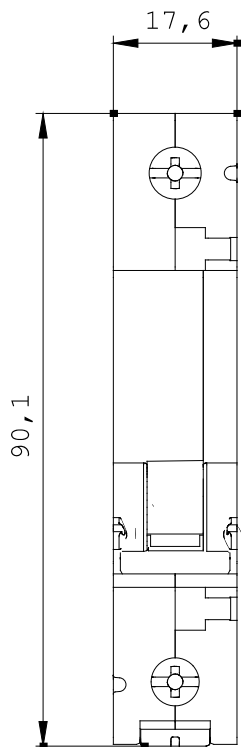
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6120-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6120-6)

#### CAX-Online-Generator

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

#### Tender specifications

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



last change:

Feb 18, 2013