



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

Similar to image

### Technical data:

|   |    |       |
|---|----|-------|
| <b>Current / for AC / rated value</b>                 | A  | 20    |
| <b>Tripping characteristic class</b>                  |    | C     |
| <b>type of voltage</b>                                |    | AC/DC |
| <b>Supply voltage</b>                                 |    |       |
| • 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   |
| <b>Operating voltage</b>                              |    |       |
| • 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    |
| <b>Supply voltage frequency / rated value</b>         | Hz | 50    |
| <b>Number of poles</b>                                |    | 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>Number of pitch units for width</b>   |                 | 1                                     |
| <b>Product extension / can be installed / supplementary device</b>                           |                 | Yes                                   |
| <b>Product feature / sealable</b>  |                 | Yes                                   |
| <b>Built in orientation</b>  |                 | any                                   |
| <b>Protection class IP</b>   |                 | IP20, with connected conductors       |
| <b>Degree of pollution</b>   |                 | 2                                     |
| <b>Ambient temperature</b>   |                 |                                       |
| • minimum  | °C              | -25                                   |
| • maximum  | °C              | 45                                    |
| <b>Influence of the surrounding temperature</b>  |                 | Periodically +55°C, max. 95% humidity |
| <b>Ambient temperature / during storage</b>  |                 |                                       |
| • minimum  | °C              | -40                                   |
| • maximum  | °C              | 75                                    |
| <b>Mechanical operating cycles as operating time / typical</b>                               |                 | 20,000                                |
| <b>Product equipment / touch-protection</b>  |                 | Yes                                   |
| <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>Section de conducteur raccordable</b>   |                 |                                       |
| • solid  |                 |                                       |
| • minimum  | mm <sup>2</sup> | 0.75                                  |
| • maximum  | mm <sup>2</sup> | 35                                    |
| • multibrin  |                 |                                       |
| • minimum  | mm <sup>2</sup> | 0.75                                  |
| • maximum  | mm <sup>2</sup> | 35                                    |
| • finely stranded / with wire 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                                     |
| <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                                     |

**Certificates/approvals:**

| General Product Approval  |                         | Declaration of Conformity    | other                 |
|---|-------------------------|------------------------------|-----------------------|
| <a href="#">CEBEC</a>   | <a href="#">ROSTEST</a> | <a href="#">Manufacturer</a> | <a href="#">other</a> |
|  |                         |                              |                       |

#### 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,...)

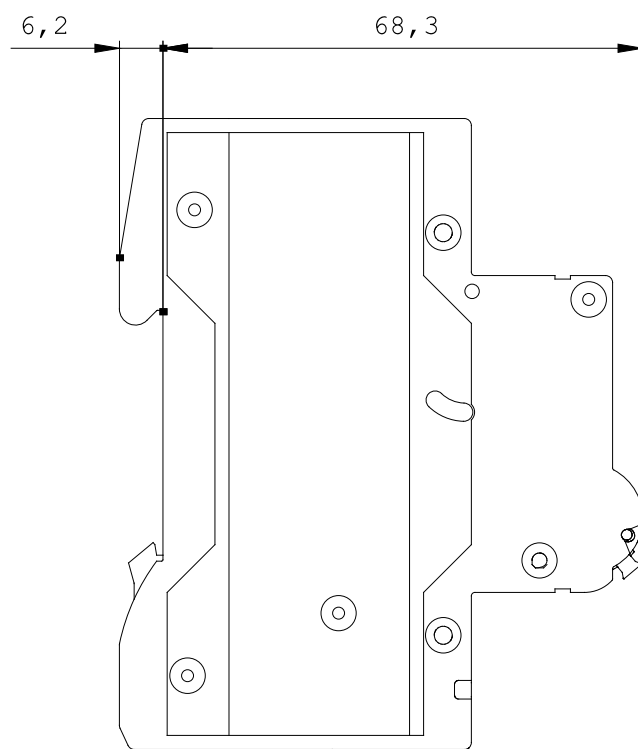
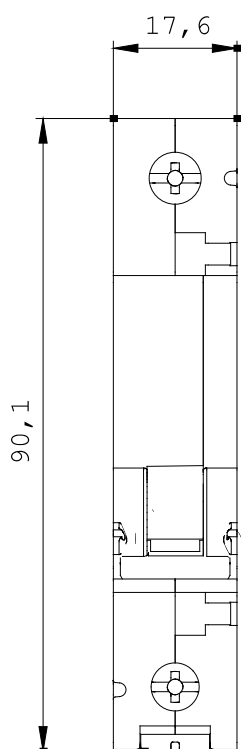
<http://support.automation.siemens.com/WW/view/en/5SL6120-7/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6120-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6120-7)

##### CAX-Online-Generator

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



last change:

Dec 10, 2011