



CIRCUIT BREAKER 10KA, 1POLE, D,  
0.5A ACC. TO UL 489 - 277V

Similar to image

| Technical data:                                       |    |                           |
|-------------------------------------------------------|----|---------------------------|
| type of voltage                                       |    | AC/DC                     |
| Type of mounting                                      |    | on standard mounting rail |
| mounting position                                     |    | any                       |
| Mounting depth                                        | mm | 70                        |
| Height                                                | mm | 121                       |
| Width                                                 | mm | 18                        |
| Depth                                                 | mm | 76                        |
| Current / for AC / rated value                        | A  | 0.5                       |
| rated current In / IEC, DIN/VDE / at 40 Cel           | A  | 0.5                       |
| Tripping characteristic class                         |    | D                         |
| Operating voltage / minimum                           | V  | 24                        |
| Supply voltage / for AC / rated value                 | V  | 400                       |
| Supply voltage                                        |    |                           |
| • 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                                     |    |                           |

|                                                                                                                             |                 |                                                              |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• with AC / in accordance with UL 489 and CSA C22.2 No. 5-02 / maximum</li> </ul>    | V               | 277                                                          |
| <ul style="list-style-type: none"> <li>• with DC</li> </ul>                                                                 | V               | 60                                                           |
| <ul style="list-style-type: none"> <li>• rated value / maximum</li> </ul>                                                   | V               | 60                                                           |
| <ul style="list-style-type: none"> <li>• 1-channel / in accordance with UL 489 and CSA C22.2 No. 5-02 / maximum</li> </ul>  | V               | 125                                                          |
| <ul style="list-style-type: none"> <li>• 2-channel / in accordance with UL 489 and CSA C22.2 No. 5-02 / maximum</li> </ul>  | V               | 125                                                          |
| <b>Number of poles /note</b>                                                                                                |                 | 1P                                                           |
| <b>Switching capacity current</b>                                                                                           |                 |                                                              |
| <ul style="list-style-type: none"> <li>• in accordance with IEC 60947-2 / rated value</li> </ul>                            | kA              | 15                                                           |
| <ul style="list-style-type: none"> <li>• acc. to EN 60898 / rated value</li> </ul>                                          | kA              | 10                                                           |
| <b>Breaking capacity short-circuit current (I<sub>cn</sub>) / with AC / in accordance with UL 1077 and CSA C22.2 No.235</b> | kA              | 10                                                           |
| <b>Active power loss / at rated value current / with AC / in warm operating state / per pole</b>                            | W               | 1.2                                                          |
| <b>Number of pitch units for width</b>                                                                                      |                 | 1                                                            |
| <b>Product feature / sealable</b>                                                                                           |                 | Yes                                                          |
| <b>Degree of pollution</b>                                                                                                  |                 | 3                                                            |
| <b>Position / of power supply cord</b>                                                                                      |                 | Any                                                          |
| <b>Mechanical operating cycles as operating time / typical</b>                                                              |                 | 20,000                                                       |
| <b>Overvoltage class</b>                                                                                                    |                 | 3                                                            |
| <b>Product equipment / touch-protection</b>                                                                                 |                 | Yes                                                          |
| <b>Insulation voltage / for AC / rated value</b>                                                                            | V               | 440                                                          |
| <b>Conductor cross-section that can be connected / finely stranded</b>                                                      |                 |                                                              |
| <ul style="list-style-type: none"> <li>• with wire end processing</li> </ul>                                                | mm <sup>2</sup> | 0.75 ... 25                                                  |
| <b>Product component</b>                                                                                                    |                 |                                                              |
| <ul style="list-style-type: none"> <li>• combined terminal top</li> </ul>                                                   |                 | Yes                                                          |
| <ul style="list-style-type: none"> <li>• combined terminal bottom</li> </ul>                                                |                 | Yes                                                          |
| <ul style="list-style-type: none"> <li>• tunnel terminals top</li> </ul>                                                    |                 | No                                                           |
| <ul style="list-style-type: none"> <li>• tunnel terminals bottom</li> </ul>                                                 |                 | No                                                           |
| <b>Product function / [not supplied - note]</b>                                                                             |                 | Terminal tightening torque for Cu, 60/75°C;<br>3.5Nm/31lb.in |
| <b>Product feature</b>                                                                                                      |                 |                                                              |
| <ul style="list-style-type: none"> <li>• [not supplied - silicon-free]</li> </ul>                                           |                 | Yes                                                          |
| <ul style="list-style-type: none"> <li>• halogen-free</li> </ul>                                                            |                 | Yes                                                          |
| <b>Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30</b>                                |                 | 6                                                            |
| <b>Device tag</b>                                                                                                           |                 |                                                              |
| <ul style="list-style-type: none"> <li>• according to DIN EN 61346-2</li> </ul>                                             |                 | F                                                            |
| <ul style="list-style-type: none"> <li>• according to DIN EN 81346-2</li> </ul>                                             |                 | F                                                            |

## Certificates/approvals:

### General Product Approval



## 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,...)

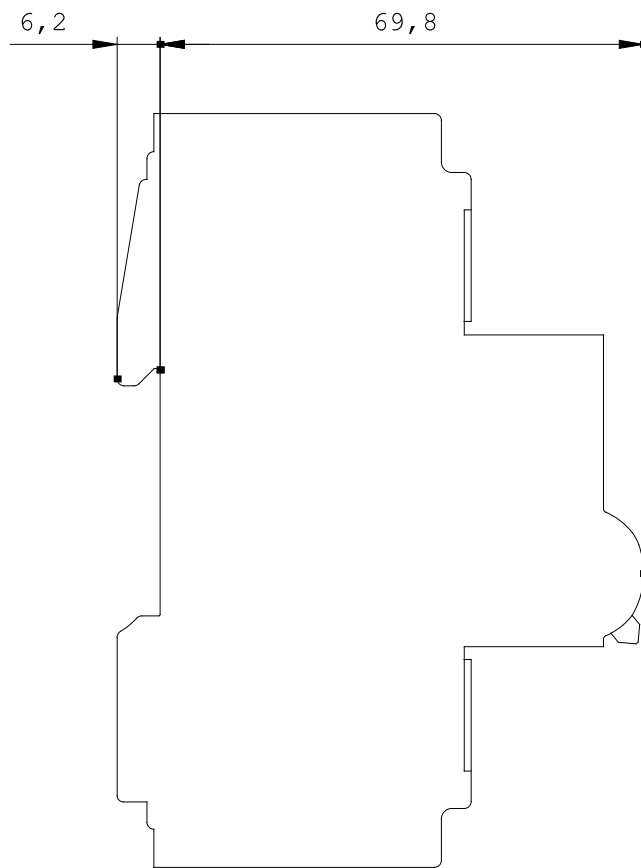
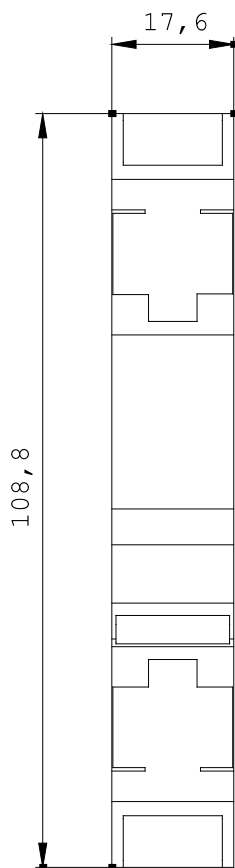
<http://support.automation.siemens.com/WW/view/en/5SJ4105-8HG42/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SJ4105-8HG42](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4105-8HG42)

### CAX-Online-Generator

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



last change:

Dec 17, 2012