



CIRCUIT BREAKER 240V 10KA, 2-POLE, C,  
50A, D=70MM ACC. TO UL 489

Similar to image

**Technical data:**

|  |    |                           |
|--|----|---------------------------|
| <b>type of voltage</b>   |    | AC/DC                     |
| <b>Type of mounting</b>  |    | on standard mounting rail |
| <b>mounting position</b>   |    | any                       |
| <b>Mounting depth</b>  | mm | 70                        |
| <b>Height</b>  | mm | 90                        |
| <b>Width</b>   | mm | 36                        |
| <b>Depth</b>   | mm | 70                        |
| <b>Current / for AC / rated value</b>                                  | A  | 50                        |
| <b>rated current I<sub>n</sub> / IEC, DIN/VDE / at 40 Cel</b>          | A  | 50                        |
| <b>Tripping characteristic class</b>                                   |    | C                         |
| <b>Operating voltage / minimum</b>                                     | V  | 24                        |
| <b>Supply voltage / for AC / rated value</b>                           | V  | 400                       |
| <b>Supply voltage</b>  |    |                           |
| • with multi-phase operation / with AC / rated value                   | V  | 400                       |
| <b>Supply voltage frequency / rated value</b>                          | Hz | 50                        |
| <b>Operating voltage</b>   |    |                           |
| • with AC / in accordance with UL 489 and CSA C22.2 No. 5-02 / maximum | V  | 240                       |

|  |                 |  |
|--|-----------------|--|
| <ul style="list-style-type: none"> <li>• with DC <ul style="list-style-type: none"> <li>• rated value / maximum</li> </ul> </li> <li>• 1-channel / in accordance with UL 489 and CSA C22.2 No. 5-02 / maximum</li> <li>• 2-channel / in accordance with UL 489 and CSA C22.2 No. 5-02 / maximum</li> </ul> | V               | 60   |
|  | V               | 60   |
|  | V               | 125  |
| <b>Number of poles /note</b>   |                 | 2P   |
| <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               | 5  |
| <b>Number of pitch units for width</b>   |                 | 2  |
| <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:



## 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&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)

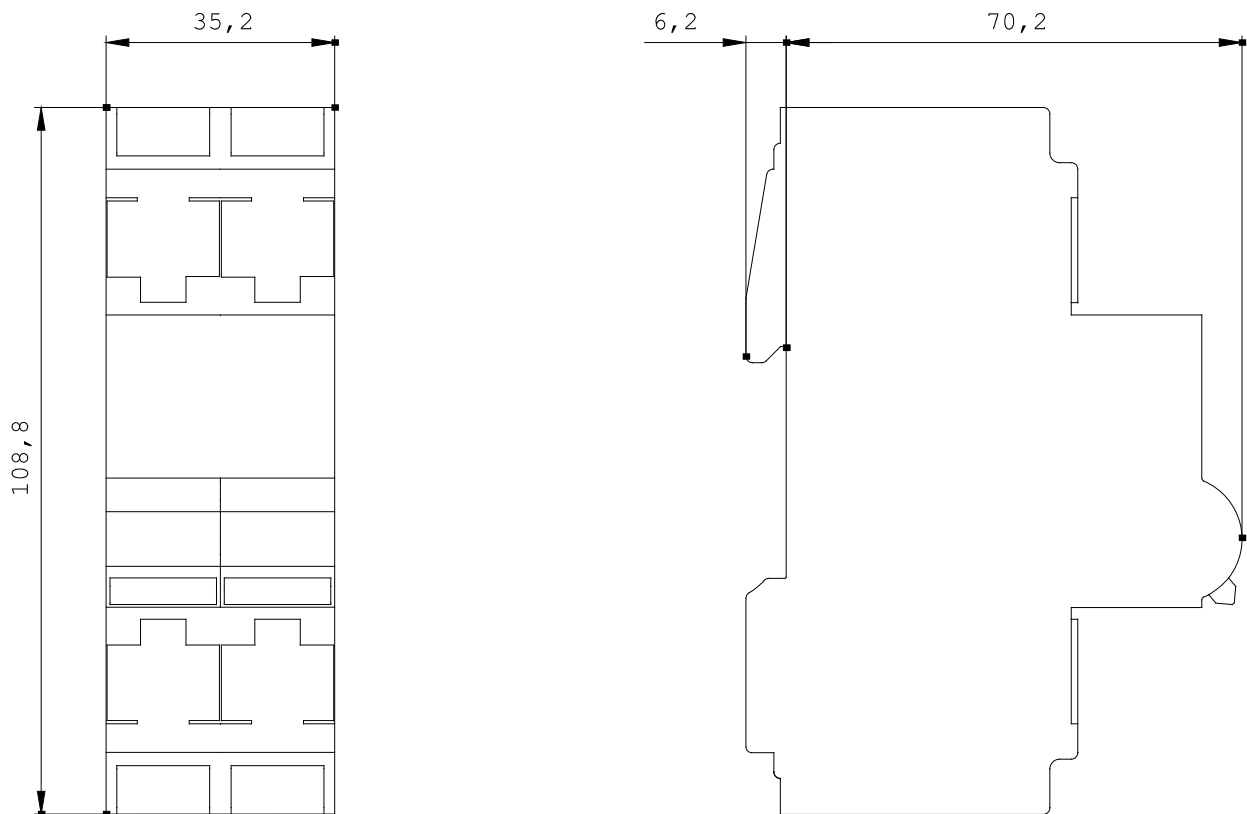
<http://support.automation.siemens.com/WW/view/en/5SJ4250-7HG41/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SJ4250-7HG41](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4250-7HG41)

## CAx-Online-Generator

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



last change:

Dec 17, 2012