



CIRCUIT BREAKER CURR. SENS DC 220V AC 230/400V  
10KA,  
1-POLE, B, 40A

Similar to image

**Technical data:**

|  |    |                       |
|--|----|-----------------------|
| <b>Type of mounting</b>                                  |    | Quick assembly system |
| <b>type of voltage</b>                                   |    | AC/DC                 |
| <b>Height</b>  | mm | 90                    |
| <b>Width</b>   | mm | 18                    |
| <b>Depth</b>   | mm | 76                    |
| <b>mounting position</b>                                 |    | any                   |
| <b>Mounting depth</b>                                    | mm | 70                    |
| <b>Current / for AC / rated value</b>                    | A  | 40                    |
| <b>Tripping characteristic class</b>                     |    | B                     |
| <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>Switching capacity current</b>                        |    |                       |
| • with DC / in accordance with IEC 60947-2 / rated value | kA | 15                    |
| • acc. to EN 60898 / rated value                         | kA | 10                    |
| <b>Breaking capacity short-circuit current (Icn)</b>     |    |                       |
| • with DC / in accordance with EN 60898-2                | 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>Ambient temperature</b>   | °C  | -25 ... +55                               |
| <b>Ambient temperature</b><br>• during storage   | °C  | -40 ... +75                               |
| <b>Position / of power supply cord</b>   |   | Any                                       |
| <b>Product property / properties for main switches in accordance with EN 60204-1</b>   |   | Yes                                       |
| <b>Mechanical operating cycles as operating time / typical</b>   |   | 10,000                                    |
| <b>Overvoltage class</b>   |   | 3   |
| <b>Product equipment / touch-protection</b>  |   | Yes                                       |
| <b>Resistance against shock / according to IEC 60068-2-27</b>  |   | 150m/s <sup>2</sup> at 11ms half-sine     |
| <b>Insulation voltage</b><br>• with single-phase operation / with AC / rated value<br>• with multi-phase operation / with AC / rated value<br>• for DC / rated value | V<br>V<br>V   | 250<br>440<br>250                         |
| <b>AWG number</b><br>• as encoded connectable conductor cross-section  |   | 14 ... 4                                  |
| <b>Section de conducteur raccordable</b><br>• solid<br>• multibrin<br>• finely stranded<br>• with wire end processing  | mm <sup>2</sup><br>mm <sup>2</sup><br>mm <sup>2</sup> | 0.75 ... 35<br>0.75 ... 35<br>0.75 ... 25 |
| <b>Product component</b><br>• combined terminal top<br>• combined terminal bottom  |   | Yes<br>Yes                                |
| <b>Tightening torque</b><br>• with screw-type terminals  | N·m   | 2.5 ... 3                                 |
| <b>Tightening torque (lbf·in)</b><br>• with screw connection   | lbf·in  | 22 ... 26                                 |
| <b>Product feature</b><br>• [not supplied - silicon-free]<br>• halogen-free  |   | Yes<br>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   |

#### Certificates/approvals:

General Product Approval

Declaration of  
Conformity

other



CCC



GOST



VDE



EG-Konf.

[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,...)

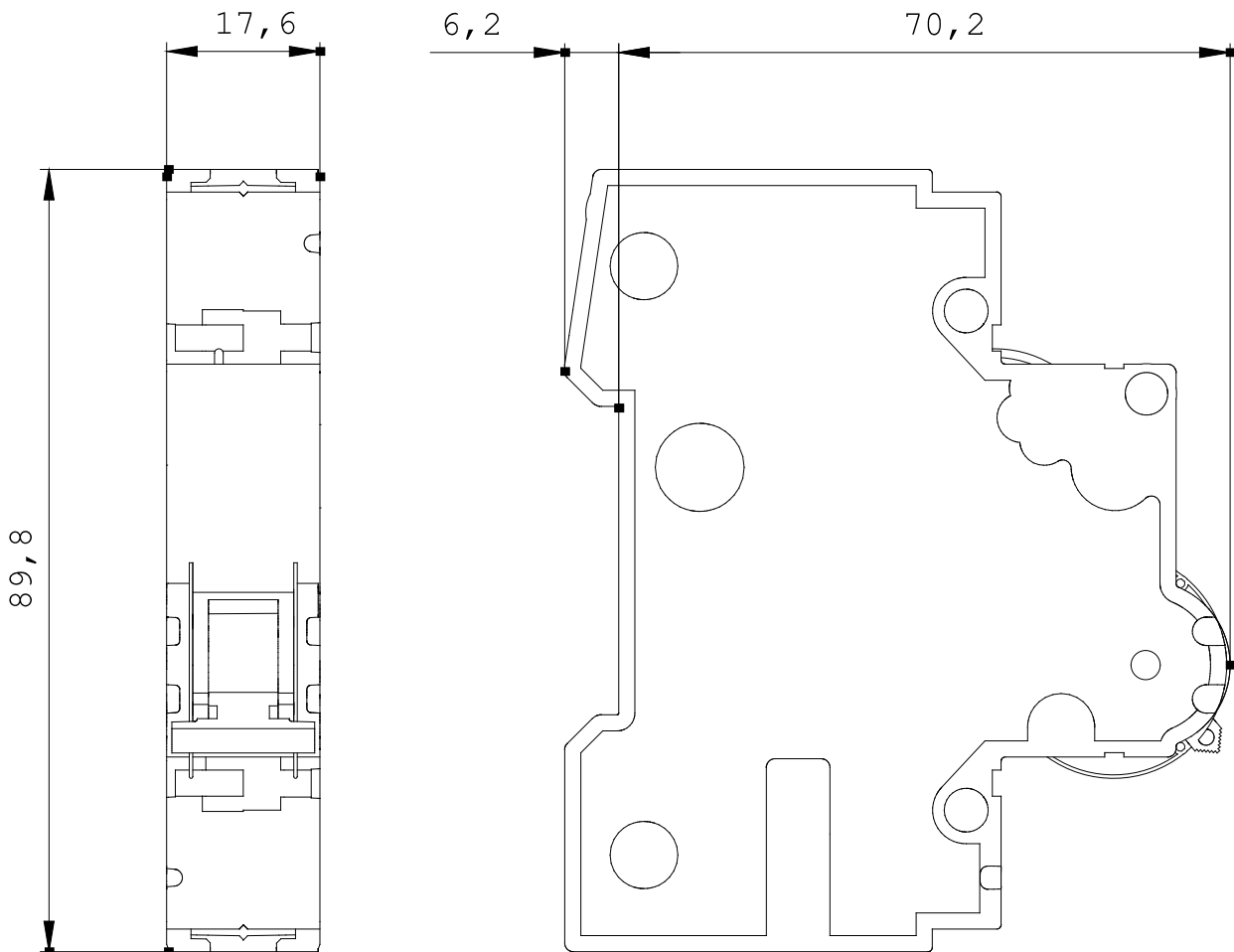
<http://support.automation.siemens.com/WW/view/en/5SY5140-6/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY5140-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY5140-6)

CAx-Online-Generator

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



last change:

Dec 31, 2012