



CIRCUIT BREAKER 230/400V 15KA, 1-POLE,  
C, 50A, D=70MM

Similar to image

### Technical data:

|   |    |                               |
|---|----|-------------------------------|
| product brand name                                    |    | SENTRON                       |
| Product designation                                   |    | 5SY miniature circuit breaker |
| Mounting type   |    | Quick assembly system         |
| Type of voltage                                       |    | AC/DC                         |
| Height  | mm | 90                            |
| Width   | mm | 18                            |
| Depth   | mm | 76                            |
| Net weight  | g  | 170                           |
| mounting position                                     |    | any                           |
| Mounting depth  | mm | 70                            |
| Current / for AC / rated value                        | A  | 50                            |
| Tripping characteristic class                         |    | C                             |
| Supply voltage  |    |                               |
| • for AC / rated value                                | V  | 400                           |
| Supply voltage / for DC / rated value                 |    |                               |
| • with single-phase operation / with AC / rated value | V  | 230                           |
| • with multi-phase operation / with AC / rated value  | V  | 400                           |
| Number of poles /note                                 |    | 1P                            |

|  |     |   |
|--|-----|---|
| <b>Switching capacity current</b>  |     |   |
| • in accordance with IEC 60947-2 / rated value   | kA  | 20  |
| • with DC / in accordance with IEC 60947-2 / rated value   | kA  | 15  |
| • acc. to EN 60898 / rated value   | kA  | 15  |
| <b>Breaking capacity short-circuit current (I<sub>cn</sub>)</b>                                  |     |   |
| • with DC / in accordance with EN 60898-2  | kA  | 15  |
| • with AC / in accordance with UL 1077 and CSA C22.2 No.235                                      | kA  | 5   |
| <b>Active power loss / at rated value current / with AC / in warm operating state / per pole</b> | W   | 0.8   |
| <b>Number of width units</b>   |     | 1   |
| <b>Product extension / can be installed / supplementary device</b>                               |     | Yes   |
| <b>Product feature / sealable</b>  |     | Yes   |
| <b>Degree of pollution</b>   |     | 3   |
| <b>Influence of the surrounding temperature</b>  |     | max. 95% humidity                               |
| <b>Ambient temperature</b>   | °C  | -25 ... +55                                     |
| <b>Ambient temperature</b>   |     |   |
| • 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>                                   |     | 20,000  |
| <b>Resistance against vibration / according to IEC 60068-2-6</b>                                 |     | 50m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) |
| <b>Overvoltage class</b>   |     | 3   |
| <b>Product equipment / touch-protection</b>  |     | Yes   |
| <b>Resistance against shock / according to IEC 60068-2-27</b>                                    |     | 150m/s² at 11ms half-sine                       |
| <b>Insulation voltage</b>  |     |   |
| • with single-phase operation / with AC / rated value  | V   | 250   |
| • with multi-phase operation / with AC / rated value   | V   | 440   |
| <b>AWG number</b>  |     |   |
| • as encoded connectable conductor cross-section   |     | 14 ... 4  |
| <b>Section de conducteur raccordable</b>   |     |   |
| • solid  | mm² | 0.75 ... 35                                     |
| • multibrin  | mm² | 0.75 ... 35                                     |
| • finely stranded  |     |   |
| • with wire end processing   | mm² | 0.75 ... 25                                     |
| <b>Product component</b>   |     |   |
| • combined terminal top  |     | Yes   |
| • combined terminal bottom   |     | Yes   |
| <b>Tightening torque</b>   |     |   |
| • 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>• 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>Reference ID / according to DIN EN 61346-2</b>  |        | F          |

#### Certificates/approvals:

##### General Product Approval

##### Declaration of Conformity



CCC



GOST



IMQ



UL



VDE



EG-Konf.

##### Shipping Approval

##### other



DNV



GL



LRS



RINA

[other](#)

#### Further information:

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

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

##### Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SY7150-7>

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

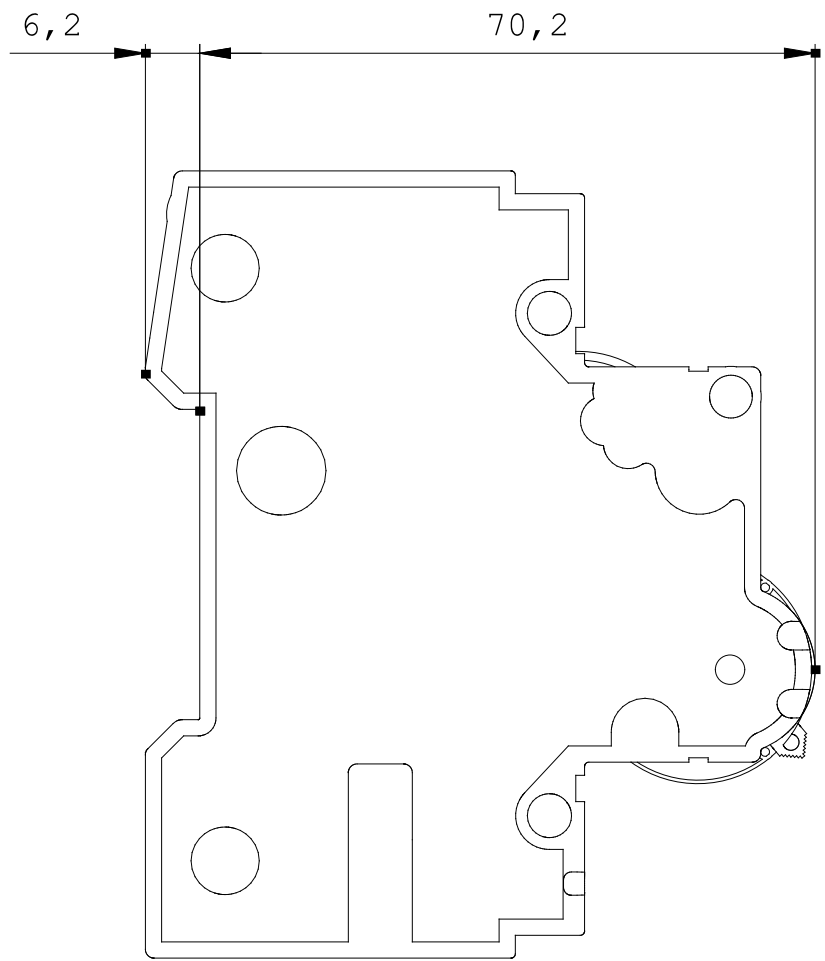
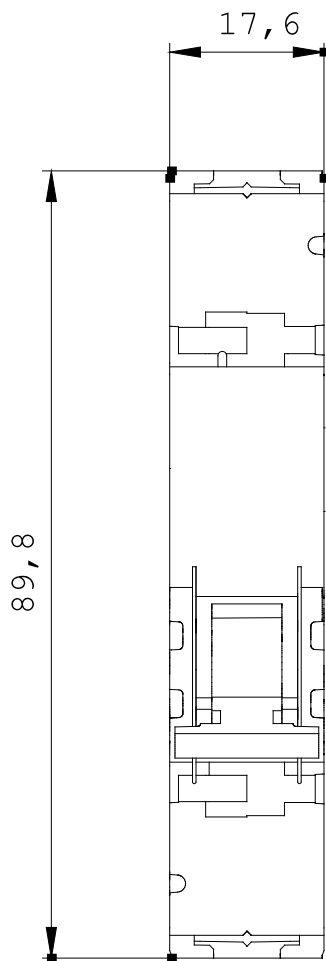
<http://support.automation.siemens.com/WW/view/en/5SY7150-7/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY7150-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY7150-7)

##### CAX-Online-Generator

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



last change:

Mar 24, 2014