



CIRCUIT BREAKER 230V 25KA, 1+N-POLE, D, 10A, D=70M

Similar to image

| Technical data:                                             |    |                       |
|-------------------------------------------------------------|----|-----------------------|
| Type of mounting                                            |    | Quick assembly system |
| type of voltage                                             |    | AC/DC                 |
| Height                                                      | mm | 90                    |
| Width                                                       | mm | 36                    |
| Depth                                                       | mm | 76                    |
| mounting position                                           |    | any                   |
| Mounting depth                                              | mm | 70                    |
| Current / for AC / rated value                              | A  | 10                    |
| Tripping characteristic class                               |    | D                     |
| Supply voltage                                              |    |                       |
| • for AC / rated value                                      | V  | 230                   |
| • with single-phase operation / with AC / rated value       | V  | 230                   |
| Switching capacity current                                  |    |                       |
| • in accordance with IEC 60947-2 / rated value              | kA | 40                    |
| • with DC / in accordance with IEC 60947-2 / rated value    | kA | 15                    |
| Breaking capacity short-circuit current (Icn)               |    |                       |
| • with AC / in accordance with UL 1077 and CSA C22.2 No.235 | kA | 5                     |

|                                                                                                                                                                         |                                                       |                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------|
| Active power loss / at rated value current / with AC / in warm operating state / per pole                                                                               | W                                                     | 1.2                                       |
| Number of pitch units for width                                                                                                                                         |                                                       | 2                                         |
| Product feature / sealable                                                                                                                                              |                                                       | Yes                                       |
| Degree of pollution                                                                                                                                                     |                                                       | 3                                         |
| Ambient temperature                                                                                                                                                     | °C                                                    | -25 ... +55                               |
| Ambient temperature <ul style="list-style-type: none"> <li>during storage</li> </ul>                                                                                    | °C                                                    | -40 ... +75                               |
| Position / of power supply cord                                                                                                                                         |                                                       | Any                                       |
| Product property / properties for main switches in accordance with EN 60204-1                                                                                           |                                                       | Yes                                       |
| Mechanical operating cycles as operating time / typical                                                                                                                 |                                                       | 20,000                                    |
| Overvoltage class                                                                                                                                                       |                                                       | 3                                         |
| Product equipment / touch-protection                                                                                                                                    |                                                       | Yes                                       |
| Resistance against shock / according to IEC 60068-2-27                                                                                                                  |                                                       | 150m/s <sup>2</sup> at 11ms half-sine     |
| Insulation voltage <ul style="list-style-type: none"> <li>with single-phase operation / with AC / rated value</li> </ul>                                                | V                                                     | 250                                       |
| AWG number <ul style="list-style-type: none"> <li>as encoded connectable conductor cross-section</li> </ul>                                                             |                                                       | 14 ... 4                                  |
| Section de conducteur raccordable <ul style="list-style-type: none"> <li>solid</li> <li>multibrin</li> <li>finely stranded</li> <li>with wire end processing</li> </ul> | 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 |
| Product component <ul style="list-style-type: none"> <li>combined terminal top</li> <li>combined terminal bottom</li> </ul>                                             |                                                       | Yes<br>Yes                                |
| Tightening torque <ul style="list-style-type: none"> <li>with screw-type terminals</li> </ul>                                                                           | N·m                                                   | 2.5 ... 3                                 |
| Tightening torque (lbf·in) <ul style="list-style-type: none"> <li>with screw connection</li> </ul>                                                                      | lbf·in                                                | 22 ... 26                                 |
| Product feature <ul style="list-style-type: none"> <li>[not supplied - silicon-free]</li> <li>halogen-free</li> </ul>                                                   |                                                       | Yes<br>Yes                                |
| Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30                                                                                   |                                                       | 6                                         |
| Item designation / according to DIN EN 61346-2                                                                                                                          |                                                       | F                                         |

Certificates/approvals:

|                          |                           |       |
|--------------------------|---------------------------|-------|
| General Product Approval | Declaration of Conformity | other |
|--------------------------|---------------------------|-------|



[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,...)

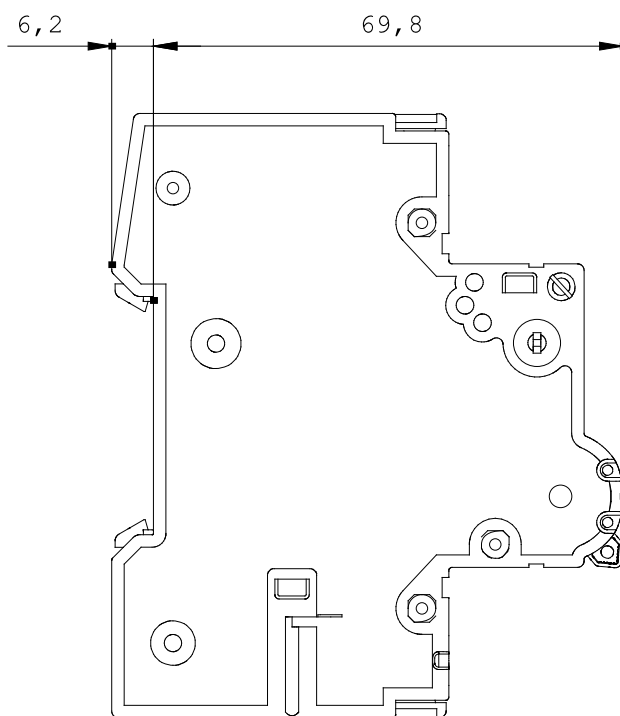
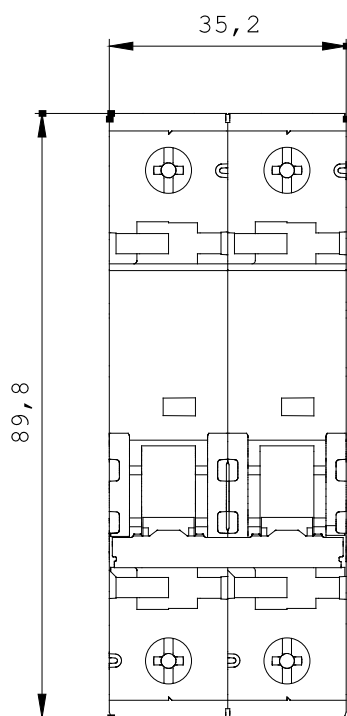
<http://support.automation.siemens.com/WW/view/en/5SY8510-8/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SY8510-8](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY8510-8)

##### CAX-Online-Generator

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



last change:

Dec 31, 2012