



CIRCUIT BREAKER 400V 10KA, 2-POLE, D,  
100A, D=70MM

### General technical data:

|                                                      |    |                                         |
|------------------------------------------------------|----|-----------------------------------------|
| Type of mounting                                     |    | Standard mounting rail and screw fixing |
| mounting position                                    |    | any                                     |
| Mounting depth                                       | mm | 70                                      |
| Height                                               | mm | 90                                      |
| Width                                                | mm | 54                                      |
| Depth                                                | mm | 76                                      |
| Current / for AC / rated value                       | A  | 100                                     |
| Tripping characteristic class                        |    | D                                       |
| type of voltage                                      |    | AC/DC                                   |
| Number of pitch units for width                      |    | 3                                       |
| Product feature / sealable                           |    | Yes                                     |
| Degree of pollution                                  |    | 3                                       |
| Supply voltage                                       |    |                                         |
| • for AC / rated value                               | V  | 400                                     |
| • with multi-phase operation / with AC / rated value | V  | 400                                     |
| Number of poles                                      |    | 2                                       |
| Number of poles /note                                |    | 2P                                      |
| Switching capacity current                           |    |                                         |
| • in accordance with IEC 60947-2 / rated value       | kA | 10                                      |

|                                                                                              |        |                           |
|----------------------------------------------------------------------------------------------|--------|---------------------------|
| • 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                        |
| • with AC / in accordance with UL 1077 and CSA C22.2 No.235                                  | kA     | 5                         |
| <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>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>                                                                    |        |                           |
| • for AC / rated value                                                                       | V      | 440                       |
| <b>AWG number</b>                                                                            |        |                           |
| • as encoded connectable conductor cross-section                                             |        | 14 ... 2                  |
| <b>Section de conducteur raccordable</b>                                                     |        |                           |
| • solid                                                                                      | mm²    | 4 ... 50                  |
| • multibrin                                                                                  | mm²    | 4 ... 50                  |
| • finely stranded                                                                            |        |                           |
| • with wire end processing                                                                   | mm²    | 1.5 ... 35                |
| <b>Product component</b>                                                                     |        |                           |
| • tunnel terminals top                                                                       |        | Yes                       |
| • tunnel terminals bottom                                                                    |        | Yes                       |
| <b>Tightening torque</b>                                                                     |        |                           |
| • with screw-type terminals                                                                  | N·m    | 2.5 ... 3.5               |
| <b>Tightening torque (lbf·in)</b>                                                            |        |                           |
| • with screw connection                                                                      | lbf·in | 22 ... 31                 |
| <b>Product feature</b>                                                                       |        |                           |
| • [not supplied - silicon-free]                                                              |        | Yes                       |
| • halogen-free                                                                               |        | Yes                       |
| <b>Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30</b> |        | 6                         |
| <b>Item designation</b>                                                                      |        |                           |
| • according to DIN EN 61346-2                                                                |        | F                         |
| • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750                   |        | F                         |

## Certificates/approvals:

### General Product Approval

### Declaration of Conformity



CCC



CEBEC



GOST



UL



VDE



EG-Konf.

### Test Certificates

### Shipping Approval

### other

[Special Test  
Certificate](#)



LRS

[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,...)

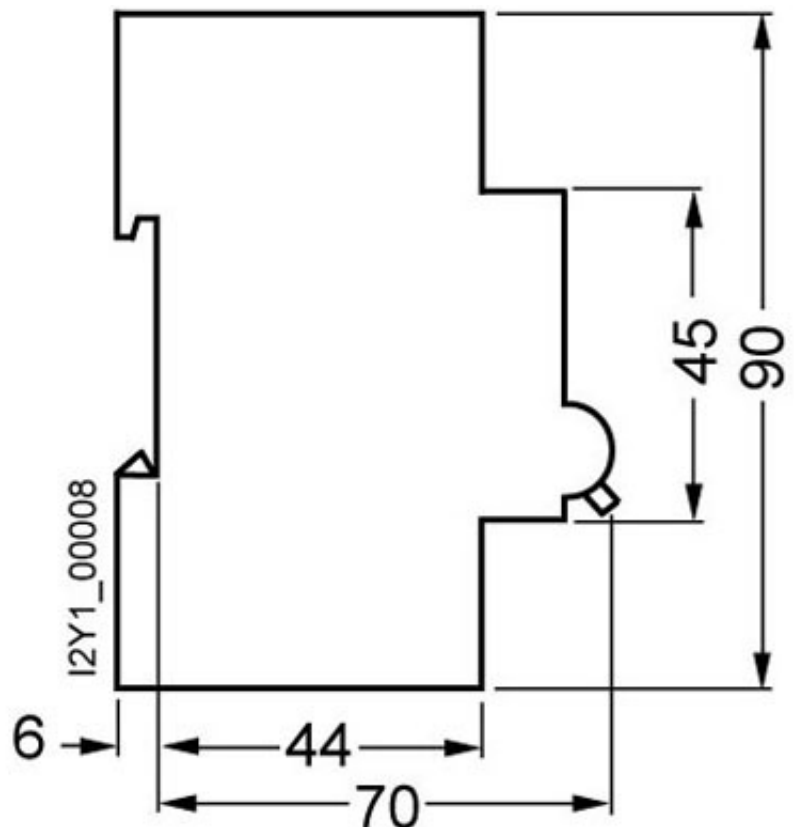
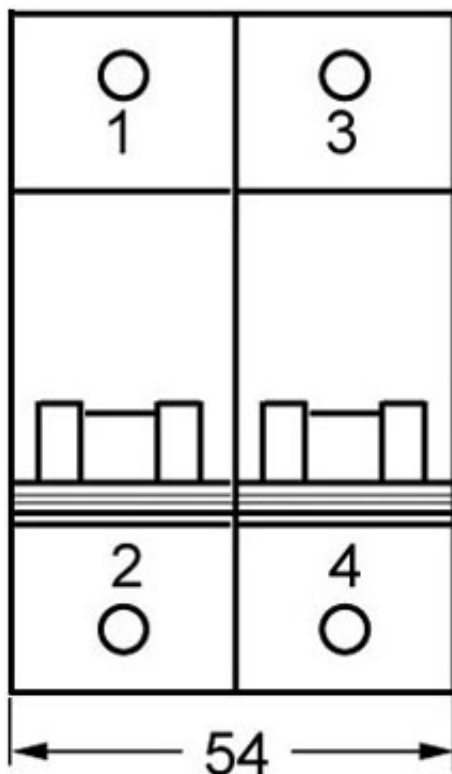
<http://support.automation.siemens.com/WW/view/en/5SP4291-8/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SP4291-8](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP4291-8)

### CAX-Online-Generator

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



last change:

Dec 17, 2012