





CIRCUIT BREAKER 230/400V 50KA ACC. IEC 947-2, T92 1-POLE, C, 6A

| General technical data: | | |
|---|----|---|
| Type of mounting | | Standard mounting rail and screw fixing |
| mounting position | | any |
| Mounting depth | mm | 92 |
| Current / for AC / rated value | A | 6 |
| Tripping characteristic class | | C |
| type of voltage | | AC/DC |
| Number of pitch units for width | | 1.5 |
| Product feature / sealable | | Yes |
| Degree of pollution | | 3 |
| Supply voltage | | |
| • 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 |
| Number of poles | | 1 |
| Number of poles /note | | 1P |
| Switching capacity current | | |
| • in accordance with IEC 60947-2 / rated value | kA | 50 |
| Ambient temperature | °C | -25 ... +45 |
| Influence of the surrounding temperature | | Periodically +55°C, max. 95% humidity |

| | | |
|---|---|---|
| Ambient temperature • during storage | °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 ² at 11ms half-sine |
| Insulation voltage • for AC / rated value | V | 440 |
| AWG number • as encoded connectable conductor cross-section | | 14 ... 2 |
| Section de conducteur raccordable • solid • multibrin • finely stranded • with wire end processing | mm ² mm ² mm ² | 0.75 ... 50 0.75 ... 50 0.75 ... 35 |
| Product component • tunnel terminals top • tunnel terminals bottom | | Yes Yes |
| Tightening torque • with screw-type terminals | N-m | 2.5 ... 3.5 |
| Tightening torque (lbf-in) • with screw connection | lbf-in | 22 ... 31 |
| Product feature • [not supplied - silicon-free] • halogen-free | | Yes Yes |
| Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 | | 6 |

Certificates/approvals:

| General Product Approval | Declaration of Conformity | Test Certificates | other |
|---|---|--|-----------------------|
|  GOST |  EG-Konf. | Type Test Certificates/Test Report | 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/5SP9106-7KC47/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP9106-7KC47

CAX-Online-Generator

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

last change:

Dec 17, 2012