



CIRCUIT BREAKER 400V 50KA ACC. IEC 947-2,  
T92 4-POLE, C, 20A



| 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  | 20                                      |
| Tripping characteristic class                        |    | C                                       |
| type of voltage                                      |    | AC/DC                                   |
| Number of pitch units for width                      |    | 6                                       |
| 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                                      |    | 4                                       |
| Number of poles /note                                |    | 4P                                      |
| 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                               |
| <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/s <sup>2</sup> at 11ms half-sine     |
| <b>Insulation voltage</b><br>• for AC / rated value   | V   | 440                                       |
| <b>AWG number</b><br>• as encoded connectable conductor cross-section   |   | 14 ... 2                                  |
| <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 ... 50<br>0.75 ... 50<br>0.75 ... 35 |
| <b>Product component</b><br>• tunnel terminals top<br>• tunnel terminals bottom                                       |   | Yes<br>Yes                                |
| <b>Tightening torque</b><br>• with screw-type terminals   | N·m   | 2.5 ... 3.5                               |
| <b>Tightening torque (lbf·in)</b><br>• with screw connection  | lbf·in  | 22 ... 31                                 |
| <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   |

#### Certificates/approvals:

| General Product Approval  | Declaration of Conformity   | Test Certificates                                  | other                 |
|---|---|--|-----------------------|
| <br>GOST | <br>EG-Konf. | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">other</a> |

#### Further information:

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

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

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

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

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

<http://support.automation.siemens.com/WW/view/en/5SP9420-7KC47/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SP9420-7KC47](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP9420-7KC47)

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**CAx-Online-Generator**

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

**last change:**

Dec 17, 2012