

Miniature circuit breaker 400 V 10kA, 3-pole, C, 125 A, D=70 mm



| Model  |                                |
|--|--------------------------------|
| Product brand name                                   | SENTRON                        |
| Product designation                                  | Miniature circuit breaker      |
| Design of the product                                | 5SP Miniature circuit breakers |
| General technical data                               |                                |
| Number of poles                                      | 3                              |
| Number of poles / Note                               | 3P                             |
| Tripping characteristic class                        | C                              |
| circuit-breaker / Design                             | 5SP4                           |
| Mechanical service life (switching cycles) / typical | 10 000                         |
| Overvoltage category                                 | 3                              |
| Voltage  |                                |
| Insulation voltage                                   |                                |
| • at AC / rated value                                | 440 V                          |
| • with multi-phase operation / at AC / rated value   | 440 V                          |
| Supply voltage                                       |                                |
| Type of voltage                                      | AC                             |
| Current / at AC / rated value                        | 125 A                          |

|  |  |
|--|--|
| Supply voltage / at AC / rated value   | 400 V  |
| Supply voltage frequency / rated value   | 50 Hz  |
| <b>Protection class</b>  |  |
| Protection class IP  | IP20 with connected conductors, IP40 in the area of the handle with distribution cover |
| <b>Switching capacity</b>  |  |
| Switching capacity current   |  |
| <ul style="list-style-type: none"> <li>• acc. to EN 60898 / rated value</li> </ul>   | 10 kA  |
| <b>Dissipation</b>   |  |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole  | 10.9 W   |
| <b>Current</b>   |  |
| Tripping residual / rated value / derated current / at 40 Cel  | 118.75 A   |
| <b>Product details</b>   |  |
| Product feature / Touch protection   | Yes  |
| Product component  |  |
| <ul style="list-style-type: none"> <li>• Tunnel terminals top</li> </ul>   | Yes  |
| <ul style="list-style-type: none"> <li>• Tunnel terminals bottom</li> </ul>  | Yes  |
| Product feature  |  |
| <ul style="list-style-type: none"> <li>• Properties for main switches in accordance with EN 60204-1</li> </ul>   | Yes  |
| <ul style="list-style-type: none"> <li>• halogen-free</li> </ul>   | Yes  |
| <ul style="list-style-type: none"> <li>• sealable</li> </ul>   | Yes  |
| <ul style="list-style-type: none"> <li>• silicon-free</li> </ul>   | Yes  |
| Product extension / can be installed / supplementary devices   | Yes  |
| <b>Connections</b>   |  |
| <ul style="list-style-type: none"> <li>• Connectable conductor cross-section <ul style="list-style-type: none"> <li>— solid</li> <li>— stranded</li> </ul> </li> <li>• Connectable conductor cross-section / finely stranded / with core end processing</li> </ul> | 25 ... 50 mm <sup>2</sup><br>25 ... 50 mm <sup>2</sup><br>25 ... 35 mm <sup>2</sup>    |
| AWG number / as coded connectable conductor cross section  | 3 ... 1  |
| Tightening torque [lbf·in] / with screw-type terminals   | 22.1 ... 31 lbf·in   |
| Tightening torque / with screw-type terminals  | 2.5 ... 3.5 N·m  |
| Position / of power supply cord  | Any  |
| <b>Mechanical Design</b>   |  |
| Height   | 90 mm  |
| Width  | 81 mm  |

|                       |       |
|-----------------------|-------|
| Depth                 | 76 mm |
| Installation depth    | 70 mm |
| Number of width units | 4.5   |
| Mounting position     | any   |
| Net weight            | 781 g |

#### Environmental conditions

|  |   |
|--|---|
| Influence of the surrounding temperature                         | Max. 95% rel. humidity  |
| Shock resistance / acc. to IEC 60068-2-27                        | 150m/s <sup>2</sup> at 11ms half-sine                                   |
| Vibration resistance / acc. to IEC 60068-2-6                     | 50m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec) |
| Ambient temperature  | -25 ... +55 °C  |
| <ul style="list-style-type: none"> <li>during storage</li> </ul> | -40 ... +75 °C  |

#### Certificates

|  |    |
|--|----|
| Reference code   |    |
| <ul style="list-style-type: none"> <li>acc. to DIN EN 61346-2</li> </ul> | F  |
| <ul style="list-style-type: none"> <li>acc. to DIN EN 81346-2</li> </ul> | FC |

| General Product Approval   | Declaration of Conformity | Test Certificates                        |
|--|---------------------------|--|
|      |                           | <a href="#">Special Test Certificate</a> |

#### Railway

[Confirmation](#)

#### Further information

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

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

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SP4392-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SP4392-7>

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

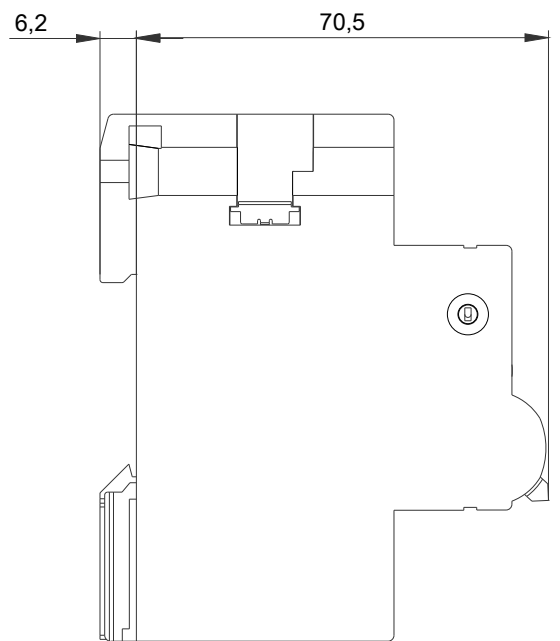
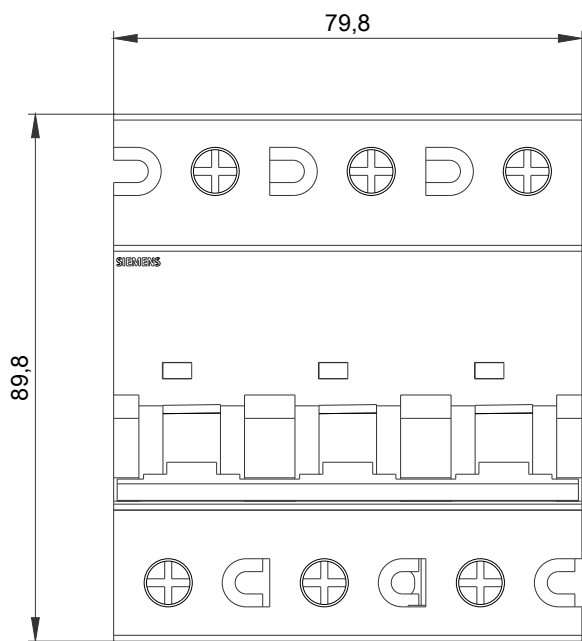
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SP4392-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP4392-7)

**CAX-Online-Generator**

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

**Tender specifications**

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



5SP4380-6; 5SP4380-7; 5SP4380-8; 5SP4391-6;  
 5SP4391-7; 5SP4391-8; 5SP4392-6; 5SP4392-7



