



Figure similar

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

| Model                                                                               |                                                                                        |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| product brand name                                                                  | SETRON                                                                                 |
| product designation                                                                 | Miniature circuit breaker                                                              |
| General technical data                                                              |                                                                                        |
| number of poles                                                                     | 3                                                                                      |
| design of pole                                                                      | 3P                                                                                     |
| tripping characteristic class                                                       | C                                                                                      |
| mechanical service life (operating cycles) typical                                  | 10 000                                                                                 |
| overvoltage category                                                                | 3                                                                                      |
| degree of pollution                                                                 | 3                                                                                      |
| Voltage                                                                             |                                                                                        |
| type of voltage of the operating voltage                                            | AC                                                                                     |
| insulation voltage (Ui)                                                             |                                                                                        |
| • at AC rated value                                                                 | 440 V                                                                                  |
| • with multi-phase operation at AC rated value                                      | 440 V                                                                                  |
| • operational current                                                               |                                                                                        |
| — at 30 °C rated value                                                              | 125 A                                                                                  |
| — at 40 °C rated value                                                              | 118.75 A                                                                               |
| — at 50 °C rated value                                                              | 111.875 A                                                                              |
| — at 60 °C rated value                                                              | 105 A                                                                                  |
| • operational current at AC rated value                                             | 125 A                                                                                  |
| Supply voltage                                                                      |                                                                                        |
| supply voltage at AC                                                                | 400 V                                                                                  |
| value range of the supply voltage frequency                                         | 50/60 Hz                                                                               |
| Protection class                                                                    |                                                                                        |
| protection class IP                                                                 | IP20 with connected conductors, IP40 in the area of the handle with distribution cover |
| Breaking Capacity                                                                   |                                                                                        |
| switching capacity current                                                          |                                                                                        |
| • according to EN 60898 rated value                                                 | 10 kA                                                                                  |
| energy limitation class                                                             | 3                                                                                      |
| Dissipation                                                                         |                                                                                        |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 10.9 W                                                                                 |
| suitability for operation                                                           | Infrastructure / Industry                                                              |
| Product details                                                                     |                                                                                        |
| product feature touch protection                                                    | Yes                                                                                    |
| product component                                                                   |                                                                                        |

|                                                                            |     |
|----------------------------------------------------------------------------|-----|
| • tunnel terminals top                                                     | Yes |
| • tunnel terminals bottom                                                  | Yes |
| product feature properties for main switches in accordance with EN 60204-1 | Yes |
| product feature halogen-free                                               | Yes |
| product feature sealable                                                   | Yes |
| product feature silicon-free                                               | Yes |
| product extension installable supplementary devices                        | Yes |

#### Connections

|                                                                              |                    |
|------------------------------------------------------------------------------|--------------------|
| connectable conductor cross-section solid                                    |                    |
| • minimum                                                                    | 25 mm <sup>2</sup> |
| • maximum                                                                    | 50 mm <sup>2</sup> |
| connectable conductor cross-section stranded                                 |                    |
| • minimum                                                                    | 25 mm <sup>2</sup> |
| • maximum                                                                    | 50 mm <sup>2</sup> |
| connectable conductor cross-section finely stranded with core end processing |                    |
| • minimum                                                                    | 25 mm <sup>2</sup> |
| • maximum                                                                    | 35 mm <sup>2</sup> |
| AWG number as coded connectable conductor cross section                      |                    |
| • minimum                                                                    | 3                  |
| • maximum                                                                    | 1                  |
| tightening torque [lbf-in] with screw-type terminals                         |                    |
| • minimum                                                                    | 22.1 lbf-in        |
| • maximum                                                                    | 31 lbf-in          |
| tightening torque with screw-type terminals                                  |                    |
| • minimum                                                                    | 2.5 N-m            |
| • maximum                                                                    | 3.5 N-m            |
| position of power supply cord                                                | Any                |

#### Mechanical Design

|                               |          |
|-------------------------------|----------|
| height                        | 90 mm    |
| width                         | 81 mm    |
| depth                         | 76 mm    |
| installation depth            | 70 mm    |
| number of modular width units | 4.5      |
| fastening method              | DIN rail |
| mounting position             | any      |
| Net Weight                    | 789 g    |

#### Environmental conditions

|                                                 |                                                                         |
|-------------------------------------------------|-------------------------------------------------------------------------|
| influence of the surrounding temperature        | Max. 95% rel. humidity                                                  |
| shock resistance according to IEC 60068-2-27    | 150m/s <sup>2</sup> at 11ms half-sine                                   |
| vibration resistance according 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 during storage              |                                                                         |
| • minimum                                       | -40 °C                                                                  |
| • maximum                                       | 75 °C                                                                   |

#### Approvals Certificates

|                          |
|--------------------------|
| General Product Approval |
|--------------------------|



|                          |                      |       |
|--------------------------|----------------------|-------|
| General Product Approval | Maritime application | other |
|--------------------------|----------------------|-------|



Miscellaneous



Confirmation

| Railway | Dangerous goods | Environment |
|---------|-----------------|-------------|
|---------|-----------------|-------------|

[Confirmation](#)

[Transport Information](#)



[Environmental Con-  
firmations](#)

[Environmental Con-  
firmations](#)

#### Further information

##### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

##### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

##### 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, ...)

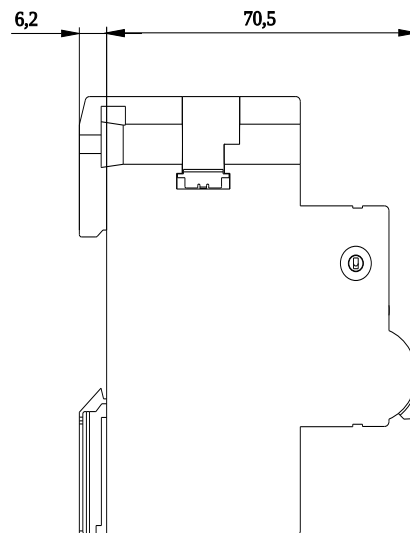
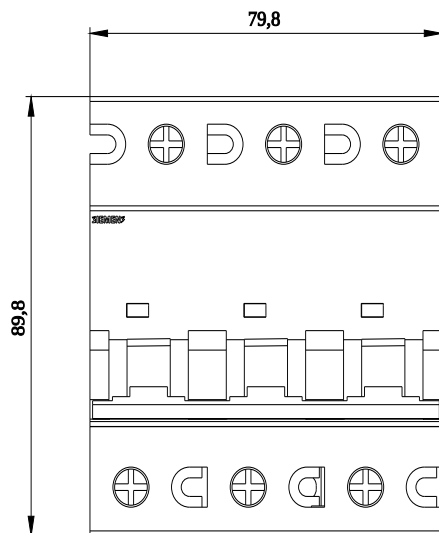
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SP4392-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP4392-7)

##### 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

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