

Miniature circuit breaker 400 V 10kA, 4-pole, C, 125 A, D=70 mm



Figure similar

| Model | |
|---|--|
| product brand name | SETRON |
| product designation | Miniature circuit breaker |
| General technical data | |
| number of poles | 4 |
| design of pole | 4P |
| 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 |
| • 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 |
| 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 | |
| <ul style="list-style-type: none"> • properties for main switches in accordance with EN 60204-1 | Yes |
| <ul style="list-style-type: none"> • halogen-free | Yes |
| <ul style="list-style-type: none"> • sealable | Yes |
| <ul style="list-style-type: none"> • silicon-free | Yes |
| product extension installable supplementary devices | Yes |

Connections

| | |
|--|--------------------|
| connectable conductor cross-section solid | |
| <ul style="list-style-type: none"> • minimum | 25 mm ² |
| <ul style="list-style-type: none"> • maximum | 50 mm ² |
| connectable conductor cross-section stranded | |
| <ul style="list-style-type: none"> • minimum | 25 mm ² |
| <ul style="list-style-type: none"> • maximum | 50 mm ² |
| connectable conductor cross-section finely stranded with core end processing | |
| <ul style="list-style-type: none"> • minimum | 25 mm ² |
| <ul style="list-style-type: none"> • maximum | 35 mm ² |
| AWG number as coded connectable conductor cross section | |
| <ul style="list-style-type: none"> • minimum | 3 |
| <ul style="list-style-type: none"> • maximum | 1 |
| tightening torque [lbf·in] with screw-type terminals | |
| <ul style="list-style-type: none"> • minimum | 22.1 lbf·in |
| <ul style="list-style-type: none"> • maximum | 31 lbf·in |
| tightening torque with screw-type terminals | |
| <ul style="list-style-type: none"> • minimum | 2.5 N·m |
| <ul style="list-style-type: none"> • maximum | 3.5 N·m |
| position of power supply cord | Any |

Mechanical Design

| | |
|-------------------------------|---------------------------|
| height | 90 mm |
| width | 108 mm |
| depth | 76 mm |
| installation depth | 70 mm |
| number of modular width units | 6 |
| fastening method | DIN rail and screw fixing |
| mounting position | any |
| net weight | 1 031 g |

Environmental conditions

| | |
|---|---|
| influence of the surrounding temperature | Max. 95% rel. humidity |
| shock resistance according to IEC 60068-2-27 | 150m/s ² at 11ms half-sine |
| vibration resistance according to IEC 60068-2-6 | 50m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec) |
| ambient temperature during storage | |
| <ul style="list-style-type: none"> • minimum | -40 °C |
| <ul style="list-style-type: none"> • maximum | 75 °C |

Approvals Certificates

General Product Approval



[Confirmation](#)



| | | |
|--------------------------|-------------------|-------|
| General Product Approval | Marine / Shipping | other |
|--------------------------|-------------------|-------|



[Miscellaneous](#)

[Confirmation](#)

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

Further information**Information on the packaging**

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

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=5SP4492-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SP4492-7>

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

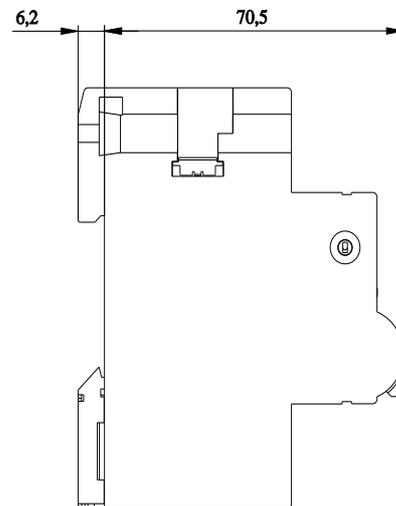
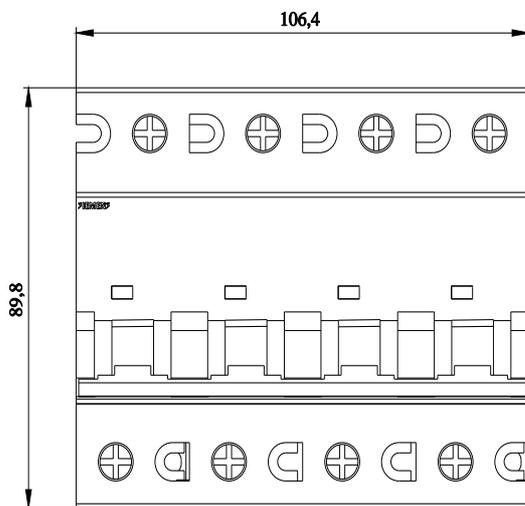
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP4492-7

CAX-Online-Generator

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

Tender specifications

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



5SP4480-6, 5SP4480-7, 5SP4480-8, 5SP4491-6,
5SP4491-7, 5SP4491-8, 5SP4492-6, 5SP4492-7

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