



Figure similar

Miniature circuit breaker 400 V 6kA, 3-pole, C, 20 A, D=70 mm with screwless outgoing terminals

| Model | |
|---|--------------------------------------|
| product brand name | SENTRON |
| product designation | Miniature circuit breaker |
| design of the product | Miniature circuit breaker 5SJ6 |
| General technical data | |
| number of poles | 3 |
| design of pole | 3P |
| tripping characteristic class | C |
| mechanical service life (operating cycles) typical | 20 000 |
| overvoltage category | 3 |
| degree of pollution | 2 |
| Voltage | |
| insulation voltage (U _i) at AC rated value | 440 V |
| <ul style="list-style-type: none"> operational current at AC rated value | 20 A |
| Supply voltage | |
| supply voltage | |
| <ul style="list-style-type: none"> at AC at DC rated value | 400 V 60 V |
| operating voltage | |
| <ul style="list-style-type: none"> with multi-phase operation at AC maximum at DC rated value maximum | 440 V 60 V |
| supply voltage frequency rated value | 50 Hz |
| Protection class | |
| protection class IP | IP20, with connected conductors |
| Breaking Capacity | |
| switching capacity current | |
| <ul style="list-style-type: none"> according to EN 60898 rated value according to IEC 60947-2 rated value | 6 kA 6 kA |
| energy limitation class | 3 |
| Dissipation | |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 2.2 W |
| suitability for operation | Residential buildings/infrastructure |
| Product details | |
| product feature touch protection | Yes |
| product component neutral conductor switching | No |
| product feature halogen-free | Yes |

| | |
|---|-----|
| product feature sealable | Yes |
| product feature silicon-free | Yes |
| product extension installable supplementary devices | No |

Connections

| | |
|--|--|
| connectable conductor cross-section on plug-type connection using the upper clamping point without core end processing <ul style="list-style-type: none"> • minimum • maximum | 1.5 mm ² 4 mm ² |
| connectable conductor cross-section solid <ul style="list-style-type: none"> • minimum • maximum | 0.75 mm ² 25 mm ² |
| connectable conductor cross-section stranded <ul style="list-style-type: none"> • minimum • maximum | 0.75 mm ² 25 mm ² |
| connectable conductor cross-section finely stranded with core end processing <ul style="list-style-type: none"> • minimum • maximum | 1.5 mm ² 2.5 mm ² |

Mechanical Design

| | |
|-------------------------------|----------|
| height | 90 mm |
| width | 54 mm |
| depth | 76 mm |
| installation depth | 70 mm |
| number of modular width units | 3 |
| fastening method | DIN rail |
| mounting position | any |
| Net Weight | 348 g |

Environmental conditions

| | |
|--|---------------------------------------|
| influence of the surrounding temperature | Periodically +55°C, max. 95% humidity |
| ambient temperature during operation <ul style="list-style-type: none"> • minimum • maximum | -25 °C 45 °C |
| ambient temperature during storage <ul style="list-style-type: none"> • minimum • maximum | -40 °C 75 °C |

Approvals Certificates

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

[Environmental Confirmations](#)



[Confirmation](#)



other

[Confirmation](#)



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,...)
<https://www.siemens.com/lowvoltage/catalogs>
Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SJ6320-7KS>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/5SJ6320-7KS>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ6320-7KS

CAX-Online-Generator

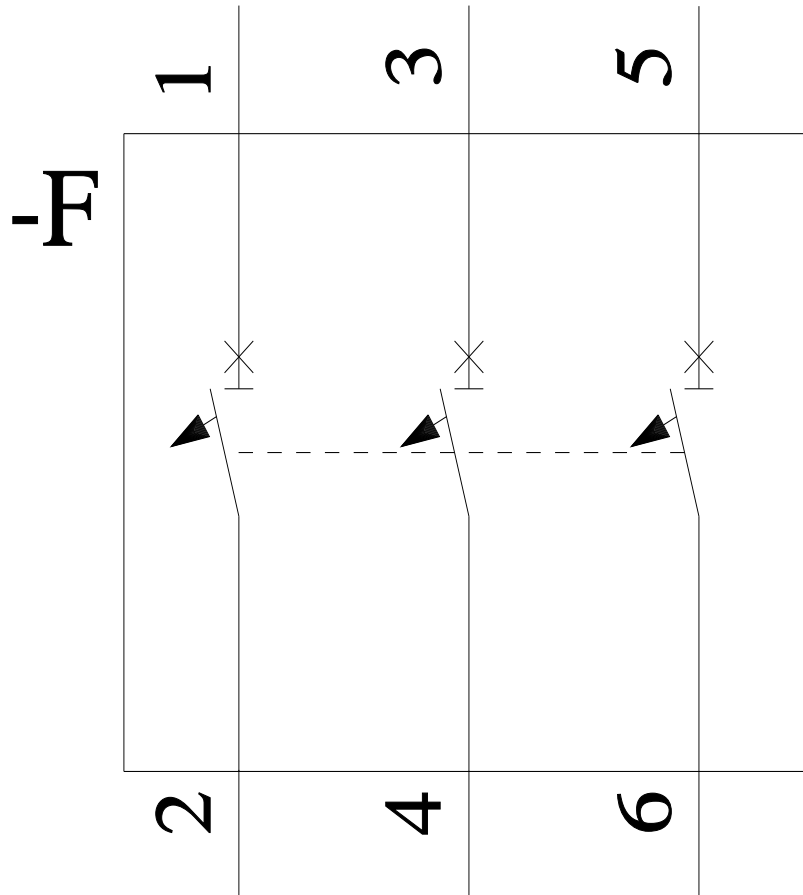
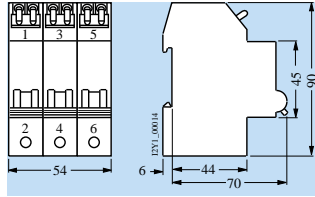
<https://www.siemens.com/cax>

Tender specifications

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

Characteristic curves

https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>



last modified:

7/19/2025

