SIEMENS

Data sheet

5SJ4110-6HG40



Miniature circuit breaker 240 V 14kA, 1-pole, B, 10A, D=70 mm according to UL 489, equal polarity

| Model | |
|---|--|
| product brand name | SENTRON |
| product designation | Miniature circuit breakers |
| design of the product | Miniature circuit-breaker 5SJ4 |
| General technical data | |
| number of poles | 1 |
| design of pole | 1P |
| tripping characteristic class | В |
| mechanical service life (operating cycles) typical | 10 000 |
| installation environment regarding EMC | Suitable for environment B (immunity to interference not applicable) |
| reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 | F |
| overvoltage category | 3 |
| degree of pollution | 3 |
| Voltage | |
| type of voltage of the operating voltage | AC/DC |
| insulation voltage (Ui) at AC rated value | 440 V |
| Supply voltage | |
| supply voltage at AC rated value | 400 V |
| operating voltage | |
| at AC according to UL 489 and CSA C22.2 No. 5-02 maximum | 120 V |
| at DC rated value maximum | 60 V |
| at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum | 60 V |
| supply voltage frequency rated value | 50 Hz |
| Protection class | |
| protection class IP | IP20, with connected conductors, IP 40 in the handle range |
| Switching capacity | |
| switching capacity current | |
| according to EN 60898 rated value | 10 kA |
| according to IEC 60947-2 rated value | 15 kA |
| Dissipation | |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 1.5 W |
| Current | |
| operational current | |
| • at 30 °C rated value | 10 A |
| at 40 °C rated value | 10 A |
| • at 45 °C rated value | 9.7 A |
| • at 50 °C rated value | 9.4 A |

| • at 55 °C rated value | 9.1 A |
|---|---|
| • at 60 °C rated value | 0.88 A |
| at AC rated value | 10 A |
| Main circuit | |
| type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02 | 240/120 |
| suitability for operation | Mechanical engineering / industry |
| Product details | |
| product component | |
| tunnel terminals top | No |
| tunnel terminals bottom | No |
| combined terminal top | Yes |
| combined terminal bottom | Yes |
| neutral conductor switching | No |
| product feature | |
| halogen-free | Yes |
| • sealable | Yes |
| silicon-free | Yes |
| product extension installable supplementary devices | Yes |
| Product function | |
| product function note | Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in |
| Short circuit | |
| short-circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235 | 14 kA |
| Connections | |
| connectable conductor cross-section finely stranded with | |
| core end processing | |
| • minimum | 0.75 mm ² |
| • maximum | 25 mm² |
| tightening torque with screw-type terminals maximum | 3.5 N·m |
| | |
| position of power supply cord | Any |
| position of power supply cord Mechanical Design | Any |
| | Any 90 mm |
| Mechanical Design | |
| Mechanical Design height | 90 mm |
| Mechanical Design height width | 90 mm 18 mm |
| Mechanical Design height width depth | 90 mm 18 mm 70 mm |
| Mechanical Design height width depth installation depth number of modular width units fastening method | 90 mm 18 mm 70 mm 70 mm |
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Miscellaneous

Special Test Certificate

Environmental Confirmations

Miscellaneous

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=5SJ4110-6HG40

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4110-6HG40

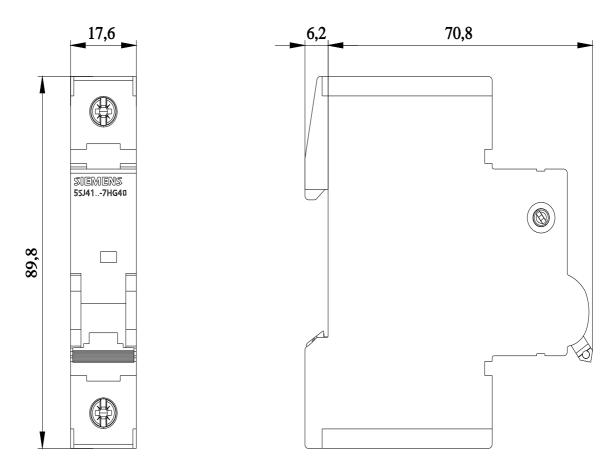
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4110-6HG40

CAx-Online-Generator http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



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