SIEMENS

## Data sheet 5SJ4110-7HG40



Miniature circuit breaker 240 V 14kA, 1-pole, C, 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 |
| number of poles / note | 1P |
| tripping characteristic class | C |
| mechanical service life (switching cycles) / typical | 20 000 |
| installation environment regarding EMC | Suitable for environment B (immunity to interference not applicable) |
| reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 | F |
| overvoltage category | 3 |
| degree of pollution | 3 |
| **Voltage** | |
| insulation voltage / at AC / rated value | 440 V |
| **Supply voltage** | |
| type of voltage | AC/DC |
| operational current / at AC / rated value | 10 A |
| supply voltage / at AC / rated value | 400 V |
| operating voltage | |
| ● at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum | 120 V |
| ● at DC / rated value / maximum | 60 V |
| ● at DC / single channel / acc. 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 | |
| ● acc. to EN 60898 / rated value | 10 kA |
| ● acc. 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 | 1.4 W |
| **Main circuit** | |


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|---|---|
| type of voltage supply / at AC / acc. to UL 489 and CSA C22.2 No. 5-02 | 240/120 |
| suitability for operation | Mechanical engineering / industry |
| **Product details** | |
| product function / neutral conductor switching | No |
| product feature / touch protection | Yes |
| product component | |
| ● tunnel terminals top | No |
| ● tunnel terminals bottom | No |
| ● combined terminal top | Yes |
| ● combined terminal bottom | Yes |
| 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** | |
| breaking capacity short-circuit current (Icn) / at AC / acc. to UL 1077 and CSA C22.2 No.235 | 14 kA |
| **Connections** | |
| connectable conductor cross-section / finely stranded / with core end processing | |
| ● minimum | 1.5 mm² |
| ● maximum | 25 mm² |
| position / of power supply cord | Any |
| **Mechanical Design** | |
| height | 90 mm |
| width | 18 mm |
| depth | 70 mm |
| installation depth | 70 mm |
| number of modular width units | 1 |
| fastening method | on standard mounting rail |
| mounting position | any |
| net weight | 162 g |
| **Environmental conditions** | |
| influence of the surrounding temperature | max. 95% humidity |
| vibration resistance | 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) |
| vibration resistance / acc. to IEC 60068-2-6 | 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) |
| ambient temperature | |
| ● minimum | -25 °C |
| ● maximum | 55 °C |
| ambient temperature / during storage | |
| ● minimum | -40 °C |
| ● maximum | 75 °C |
| **Certificates** | |
| reference code | |
| ● acc. to DIN EN 61346-2 | F |
| ● acc. to IEC 81346-2 | F |

| **General Product Approval** | **Declaration of Conformity** |
|---|---|

CCC UL UL VDE EAC CE EG-Konf.


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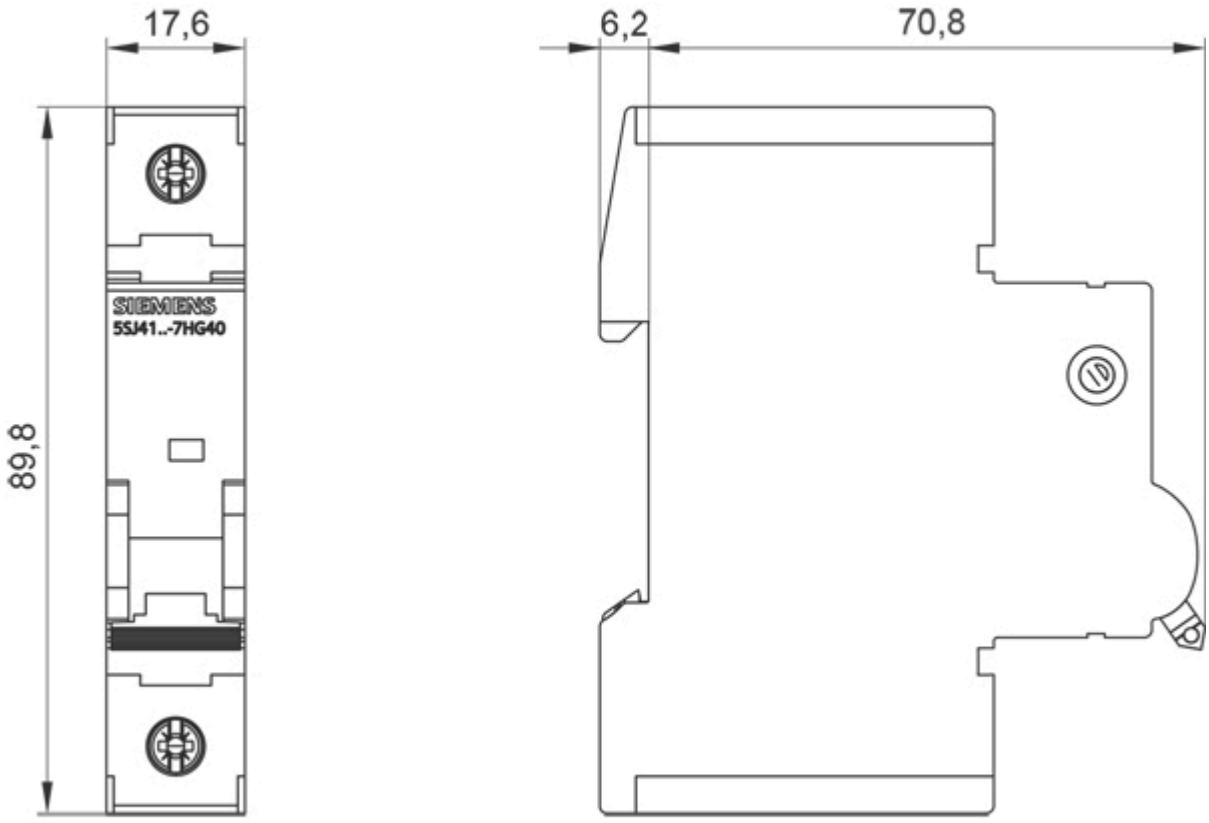
## Test Certificates

Miscellaneous

Special Test Certificate

## 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=5SJ4110-7HG40
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/5SJ4110-7HG40
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4110-7HG40
**Tender specifications**
http://www.siemens.com/specifications





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