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## Data sheet 5SJ4103-8HG40

Figure similar

Miniature circuit breaker 240 V 14kA, 1-pole, D, 3 A, 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 | D |
| 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** | |
| insulation voltage (Ui) at AC rated value | 440 V |
| operational current | |
| ● at 30 °C rated value | 3 A |
| ● at 40 °C rated value | 3 A |
| ● at 50 °C rated value | 2.8 A |
| ● at 55 °C rated value | 2.7 A |
| ● at 60 °C rated value | 2.6 A |
| ● at AC rated value | 3 A |
| **Supply voltage** | |
| supply voltage | |
| ● at AC | 400 V |
| ● at DC rated value | 60 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 1-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 |
| **Breaking Capacity** | |
| switching capacity current | |
| ● according to EN 60898 rated value | 10 kA |
| ● according to IEC 60947-2 rated value | 15 kA |


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| | |
|---|---|
| **Dissipation** | |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 1.8 W |
| **Main circuit** | |
| type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02 | 240/120 |
| suitability for operation | Infrastructure / Industry |
| **Product details** | |
| product feature touch protection | Yes |
| 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** | |
| set values setting current (Ii) for I-tripping | 14,5 |
| reference value setting current (Ii) for I-tripping | x In |
| 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 mm² |
| ● maximum | 25 mm² |
| tightening torque with screw-type terminals maximum | 3.5 N·m |
| 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 | 161 g |
| **Environmental conditions** | |
| standard | IEC / EN 60947-2 / UL 489 |
| vibration resistance | 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) |
| vibration resistance according to IEC 60068-2-6 | ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz |
| ambient temperature during operation | |
| ● minimum | -25 °C |
| ● maximum | 55 °C |
| ambient temperature during operation | max. 95% humidity |
| ambient temperature during storage | |
| ● minimum | -40 °C |
| ● maximum | 75 °C |
| **Approvals Certificates** | |
| **General Product Approval** | |

Confirmation


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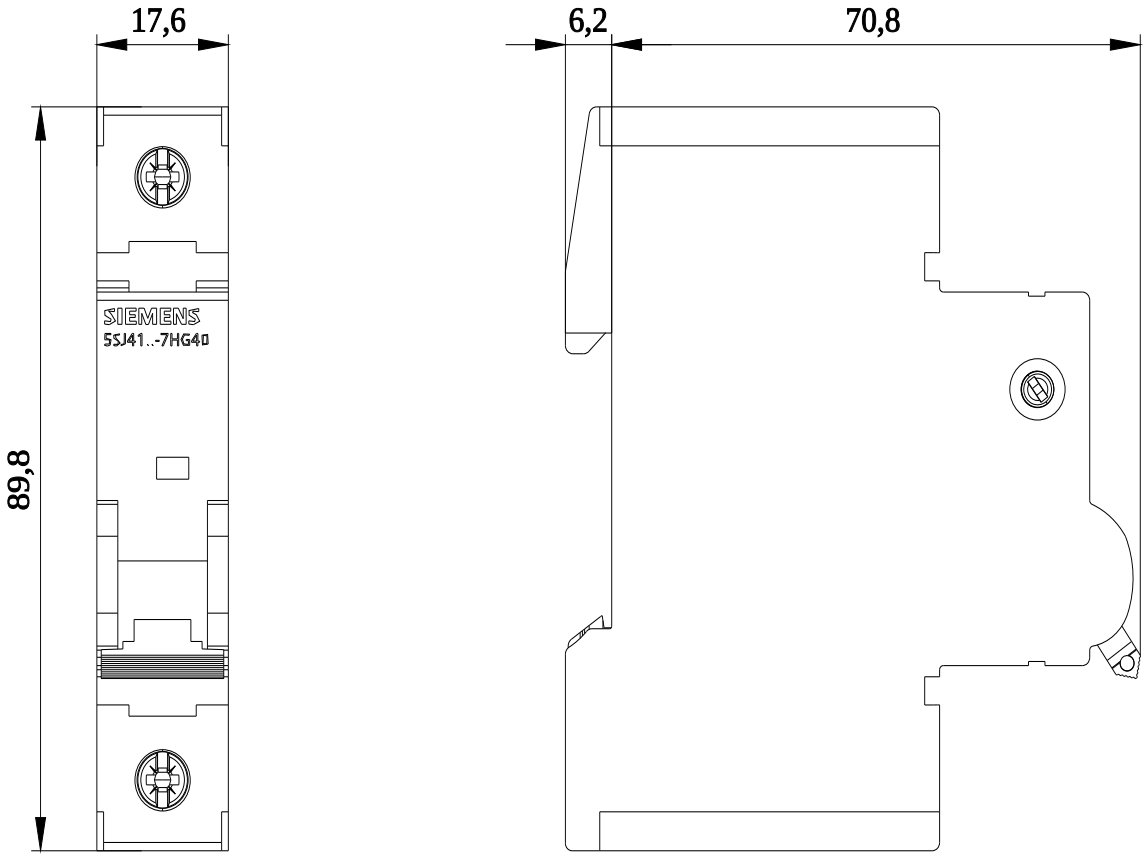
| Test Certificates | other | | Environment | |
|---|---|---|---|---|
| Special Test Certific-ate | Confirmation | Miscellaneous | Environmental Con-firmations | Environmental Con-firmations |

## 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=5SJ4103-8HG40
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/5SJ4103-8HG40
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4103-8HG40
**CAx-Online-Generator**
http://www.siemens.com/cax
**Tender specifications**
http://www.siemens.com/specifications

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