SIEMENS

Data sheet

5SJ4305-7HG41



Miniature circuit breaker 240 V 14kA, 3-pole, C, 0.5A, D=70 mm according to UL 489 $\,$

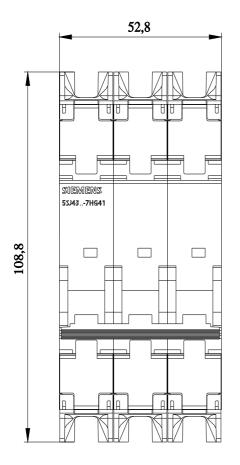
| Model | | |
|---|--|--|
| product brand name | SENTRON | |
| product designation | Miniature circuit breakers | |
| design of the product | Miniature circuit-breaker 5SJ4 | |
| General technical data | | |
| number of poles | 3 | |
| tripping characteristic class | С | |
| mechanical service life (switching 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 | 240 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 | |
| at DC / 2-channel / according to UL 489 and CSA C22.2 No. 5-02 / maximum | 125 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 | 1.2 W | |
| Current | | |
| operational current | | |
| • at 30 °C / rated value | 0.5 A | |
| • at 40 °C / rated value | 0.5 A | |

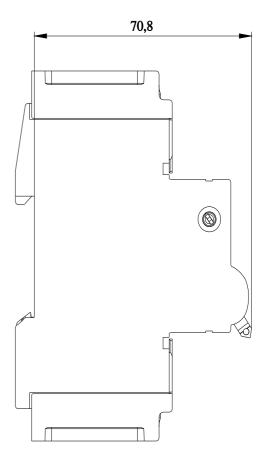
| at 45 °C / rated value at 50 °C / rated value at 55 °C / rated value | 0.48 A 0.46 A 0.44 A | |
|--|--|------------------------------|
| | | |
| • at 55 °C / Taleu value | U.44 A | |
| at 60 °C / rated value | 0.42 A | |
| at AC / rated value | 0.42 A | |
| Main circuit | 0.5 A | |
| | 240 | |
| type of voltage supply / at AC / according to UL 489 and CSA C22.2 No. 5-02 | | |
| suitability for operation | Mechanical engineering / industry | |
| Product details | | |
| product component / 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 / 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 | 110 mm | |
| width | 54 mm | |
| depth | - 70 mm | |
| installation depth | - 70 mm | |
| number of modular width units | 3 | |
| fastening method | on standard mounting rail | |
| mounting position | any | |
| net weight | 497 g | |
| Environmental conditions | | |
| vibration resistance | 50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec) | |
| ambient temperature / during operation | | |
| • minimum | 55 °C | |
| • maximum | -25 °C | |
| ambient temperature / during storage | | |
| • minimum | -40 °C | |
| • maximum | 75 °C | |
| Certificates | | |
| reference code | | |
| according to EN 61346-2 | F | |
| according to IEC 81346-2 | F | |
| General Product Approval | | Declaration of Conformity |



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=5SJ4305-7HG41 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ4305-7HG41 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4305-7HG41 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications





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