SIEMENS

Data sheet 5SJ4303-7HG42



Circuit breaker 10kA, 3-pole, C, 3 A according to UL 489-480Y/277V

| 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 | |
| number of poles / note | 3P | |
| tripping characteristic class | С | |
| 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 | 3 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 | 277 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 | |
| at DC / 2-channel / acc. 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 | | |
| • 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 | 1.8 W | |

| hot operating state / per pole | | |
|--|--|------------------------------|
| Main circuit | | |
| type of voltage supply / at AC / acc. to UL 489 and CSA C22.2 No. 5-02 | 480/277 | |
| suitability for operation | Mechanical engineering / industry | |
| Product details | | |
| product function / neutral conductor switching | No | |
| product feature / touch protection | Yes | |
| product component | 163 | |
| tunnel terminals top | No | |
| tunnel terminals top tunnel terminals bottom | No | |
| | | |
| combined terminal top | Yes | |
| combined terminal bottom | Yes | |
| product feature | V | |
| • 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 | 10 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 | 121 mm | |
| width | 54 mm | |
| depth | 76 mm | |
| installation depth | 70 mm | |
| number of modular width units | 3 | |
| fastening method | on standard mounting rail | |
| mounting position | | |
| net weight | 494 g | |
| | 494 g | |
| Environmental conditions | 050/ 1 119 | |
| 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 |













Test Certificates

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=5SJ4303-7HG42

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

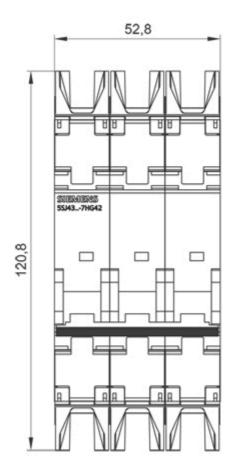
https://support.industry.siemens.com/cs/ww/en/ps/5SJ4303-7HG42

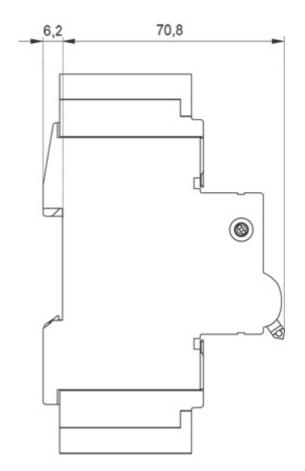
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4303-7HG42

Tender specifications

http://www.siemens.com/specifications





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