SIEMENS

Data sheet

5SJ4210-7HG41



CIRCUIT BREAKER 240V 14KA, 2-POLE, C, 10A, D=70MM ACC. TO UL 489

Figure similar

| General technical data | | | | |
|---|----|--|--|--|
| Number of poles | | 2 | | |
| Number of poles / Note | - | 2P | | |
| Tripping characteristic class | _ | С | | |
| Installation environment regarding EMC | | Suitable for environment B (immunity to interference not applicable) | | |
| circuit-breaker / Design | | 5SJ4 | | |
| Mechanical service life (switching cycles) / typical | - | 20 000 | | |
| Equipment marking / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 | _ | F | | |
| Overvoltage category | _ | 3 | | |
| Voltage | | | | |
| Type of voltage | | AC/DC | | |
| Insulation voltage / at AC / Rated value | V | 440 | | |
| Supply voltage | | | | |
| Supply voltage / at AC / Rated value | V | 400 | | |
| Supply voltage frequency / Rated value | Hz | 50 | | |
| 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 | kA | 10 | |
| • acc. to IEC 60947-2 / Rated value | kA | 15 | |
| Dissipation | | | |
| Active power loss | | | |
| for rated value of the current / at AC / in hot operating state / per pole | W | 1.4 | |
| Electricity | | | |
| rated current In / IEC, DIN/VDE / at 40 Cel | А | 10 | |
| Current / at AC / Rated value | A | 10 | |
| Main circuit | | | |
| Operating voltage | | | |
| • minimum | V | 24 | |
| at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum | V | 240 | |
| at DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum | V | 60 | |
| at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum | V | 125 | |
| • at DC / Rated value / maximum | V | 60 | |
| 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 | |
| Product property | | | |
| ● halogen-free | | Yes | |
| • sealable | | Yes | |
| • silicon-free | | Yes | |
| Product expansion / can be installed / supplementary devices | | Yes | |
| Product function | | | |
| Product function | | | |
| • Note | | Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in | |
| neutral conductor switching | | No | |

| kA | 14 | | | |
|-----|--|--|---|--|
| | | | | |
| | | | | |
| | | | | |
| | 6 | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| mm² | 0.75 | | | |
| mm² | 25 | | | |
| _ | Any | | | |
| | | | | |
| mm | 90 | | | |
| mm | 36 | | | |
| mm | 70 | | | |
| _ | any | | | |
| mm | 70 | | | |
| _ | 2 | | | |
| _ | on standard mounting rail | | | |
| | | | | |
| | 3 | | | |
| | max. 95% humidity | | | |
| _ | 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) | | | |
| _ | 50 m/s² at 2 | 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) | | |
| _ | | | | |
| °C | -25 | | | |
| °C | 55 | | | |
| °C | -40 | | | |
| °C | 75 | | | |
| | | | | |
| | | | | |
| | F | | | |
| | F | | | |
| | | Declaration of | Test | |
| | | Conformity | Certificates | |
| | | | sonstig | |
| | ЦІ | (– | | |
| | ΠL | | | |
| | mm² | mm² 0.75 mm² 25 Any mm 90 mm 36 mm 70 any any mm 70 any any mm 50 m/s² at 2 50 m/s² at 2 50 m/s² at 2 °C -25 °C 55 °C 55 °C 55 °C 75 °C 75 | mm² 0.75 mm² 25 Any mm 90 mm 36 mm 70 any mm 70 any mm 70 any mm 70 any mm 50 on standard mounting rail °C -25 °C 75 P F F F F F F F F Declaration of Conformity | |

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system) https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SJ42107HG41

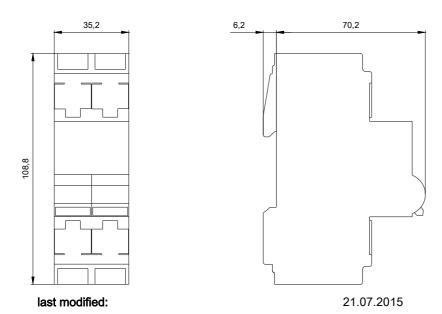
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/5SJ42107HG41/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ42107HG41

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

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv



Page 4/4