SIEMENS

Product data sheet 5SP4480-7

CIRCUIT BREAKER 400V 10KA, 4-POLE, C, 80A, D=70MM



| General technical data: | | | |
|--|----|---|--|
| Type of mounting | | Standard mounting rail and screw fixing | |
| mounting position | | any | |
| Mounting depth | mm | 70 | |
| Height | mm | 90 | |
| Width | mm | 108 | |
| Depth | mm | 76 | |
| Current / for AC / rated value | Α | 80 | |
| Tripping characteristic class | | С | |
| type of voltage | | AC/DC | |
| Number of pitch units for width | | 6 | |
| Product feature / sealable | | Yes | |
| Degree of pollution | | 3 | |
| Supply voltage | | | |
| • for AC / rated value | V | 400 | |
| • with multi-phase operation / with AC / rated value | V | 400 | |
| Number of poles | | 4 | |
| Number of poles /note | | 4P | |
| Switching capacity current | | | |
| • in accordance with IEC 60947-2 / rated value | kA | 10 | |

| + acc. to EN 60898 / rated value | • with DC / in accordance with IEC 60947-2 / rated value | kA | 15 |
|--|---|--------|---------------------------|
| - with DC / in accordance with UL 1077 and CSA C22.2 No.235 Ambient temperature - during storage Position / of power supply cord Product property / properties for main switches in accordance with EK 60204-1 Mechanical operating cycles as operating time / typical Overvoltage class Product equipment / touch-protection Resistance against shock / according to IEC 60088-2-27 Insulation voltage - for AC / rated value AWG number - as encoded connectable conductor cross-section Product component - with wire end processing Product component - turnel terminals bottom Tightening torque - with screw connection Product feature - Inct supplied - silicon-free] - inalogen-free - Inct supplied - silicon-free] - inalogen-free - Inct supplied - silicon-free] - inalogen-free - Number of test cycles / for environmental testing / in accordance with IEC 60088-2-30 Item designation - according to DIN EN 61346-2 - according to DIN 40719 extendable after IEC 204-2 / according | • acc. to EN 60898 / rated value | kA | 10 |
| with AC / in accordance with UL 1077 and CSA C22.2 No.235 Ambient temperature * C | Breaking capacity short-circuit current (lcn) | | |
| Ambient temperature - during storage Position / of power supply cord Product property / properties for main switches in accordance with EM 60204-1 Mechanical operating cycles as operating time / typical Overvoltage class Product equipment / touch-protection Resistance against shock / according to IEC 60068-2-27 Insulation voltage - for AC / rated value AWG number - sas encoded connectable conductor cross-section Section de conducteur raccordable - solid - mm² 4 50 - mm² 5 35 - mm² 5 35 - mm² 5 35 - mm² 6 35 - mm² 7 yes - with screw-type terminals - mm² 5 3.5 - mm² 7 yes - with screw-type terminals - mm² 6 3.5 - mm² 7 yes - with screw-type terminals - mm² 7 yes - mm² 7 yes - mm² 8 3.5 - mm² 8 3.5 - mm² 9 | • with DC / in accordance with EN 60898-2 | kA | 10 |
| Ambient emperature during storage **C 40 +75 Position / of power supply cord Product property / properties for main switches in accordance with EN 60204-1 Mechanical operating cycles as operating time / typical Overvoltage class Product equipment / touch-protection Resistance against shock / according to IEC 60068-2-27 Insulation voltage **Totac / rated value AWG number **sa encoded connectable conductor cross-section **Section de conducteur raccordable **solid **mm² 4 50 **mm² 5 35 **Product component **unnel terminals top **unnel terminals bottom Tightening torque **with screw-type terminals Tightening torque (Ibf-In) **with screw-type terminals Tightening torque (Ibf-In) **with screw-type terminals **India screw-type terminals **Product feature **Jona supplied - silicon-free] **Jona supplied | • with AC / in accordance with UL 1077 and CSA C22.2 No.235 | kA | 5 |
| - during storage Position / of power supply cord Product property / properties for main switches in accordance with EN 60204-1 Mechanical operating cycles as operating time / typical Overvoltage class Product equipment / touch-protection Resistance against shock / according to IEC 60068-2-27 Insulation voltage - for AC / rated value AWG number - sa encoded connectable conductor cross-section - finely stranded - with wire end processing - with wire end processing - tunnel terminals bottom Tightening torque - with screw-type terminals Tightening torque (Ibf-In) - with screw-type terminals Product feature - inclusion-free - inclu | Ambient temperature | °C | -25 +55 |
| Position / of power supply cord Product property / properties for main switches in accordance with EM 60204-1 Mechanical operating cycles as operating time / typical Overvoltage class Product equipment / touch-protection Resistance against shock / according to IEC 60068-2-27 Insulation voltage • for AC / rated value AWG number • as encoded connectable conductor cross-section Section de conductour raccordable • solid • mm² 4 50 Product component • tunnel terminals top • with wire end processing Product component • with screw-type terminals Tightening torque • with screw-type terminals Product feature • (not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN 40719 extendable after IEC 204-2 / according • C 20.000 Any Yes Yes Product formation of the first of t | Ambient temperature | | |
| Product property / properties for main switches in accordance with EK 69204-1 Mechanical operating cycles as operating time / typical 20,000 Overvoltage class 3 3 Product equipment / touch-protection Yes 8 Resistance against shock / according to IEC 60068-2-27 150m/s² at 11ms half-sine 150m/s² at 11 | during storage | °C | -40 + 75 |
| with EN 60204-1 Mechanical operating cycles as operating time / typical 20,000 Overvoltage class 3 Product equipment / touch-protection Yes Resistance against shock / according to IEC 60068-2-27 150m/s² at 11ms half-sine Insulation voltage | Position / of power supply cord | | Any |
| Overvoltage class Product equipment / touch-protection Resistance against shock / according to IEC 60068-2-27 Insulation voltage • for AC / rated value AWG number • as encoded connectable conductor cross-section Section de conducteur raccordable • solid • multibrin • finely stranded • with wire end processing Product component • tunnel terminals top • tunnel terminals bottom Tightening torque • with screw-type terminals Tightening torque • with screw-type terminals Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according 1 500068-2-27 | | | Yes |
| Product equipment / touch-protection Resistance against shock / according to IEC 60068-2-27 Insulation voltage • for AC / rated value AWG number • as encoded connectable conductor cross-section • solid • multibrin • mm² 4 50 • multibrin • finely stranded • with wire end processing Product component • tunnel terminals top • tunnel terminals bottom Tightening torque • with screw-type terminals Tightening torque (Ibf-in) • with screw-connection Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according • 150m/s² at 11ms half-sine 14 2 4 50 • 5 3.5 • 7 es • 6 • 6 • 7 es • 7 es • 7 es • 8 es • 9 es | Mechanical operating cycles as operating time / typical | | 20,000 |
| Resistance against shock / according to IEC 60068-2-27 Insulation voltage • for AC / rated value AWG number • as encoded connectable conductor cross-section Section de conducteur raccordable • solid • mm² 4 50 • multibrin • mm² 4 50 • multibrin • with wire end processing Product component • tunnel terminals top • tunnel terminals bottom Tightening torque • with screw-type terminals Tightening torque (lbf-in) • with screw connection • loot supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according | Overvoltage class | | 3 |
| Insulation voltage • for AC / rated value AWG number • as encoded connectable conductor cross-section Section de conducteur raccordable • solid • multibrin • finely stranded • with wire end processing Product component • tunnel terminals top • tunnel terminals bottom Tightening torque • with screw-type terminals Tightening torque (Ibf-in) • with screw connection • inot supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according V 440 440 440 440 440 440 440 | Product equipment / touch-protection | | Yes |
| * for AC / rated value AWG number * as encoded connectable conductor cross-section Section de conducteur raccordable * solid * mm² | Resistance against shock / according to IEC 60068-2-27 | | 150m/s² at 11ms half-sine |
| AWG number • as encoded connectable conductor cross-section 14 2 Section de conducteur raccordable • solid • solid • mm² 4 50 • multibrin • finely stranded • with wire end processing Product component • tunnel terminals top • tunnel terminals bottom Tightening torque • with screw-type terminals N·m 2.5 3.5 Tightening torque (lbf-in) • with screw connection Ibf-in 22 31 Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according F | Insulation voltage | | |
| * as encoded connectable conductor cross-section Section de conducteur raccordable * solid * solid * mm² | • for AC / rated value | V | 440 |
| Section de conducteur raccordable • solid • multibrin • finely stranded • with wire end processing Product component • tunnel terminals top • tunnel terminals bottom Tightening torque • with screw-type terminals N·m 2.5 3.5 Tightening torque (lbf-in) • with screw connection Ibf-in 22 31 Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according | AWG number | | |
| * solid * multibrin * mm² * 4 50 * mm² * 4 50 * finely stranded * with wire end processing * mm² * 1.5 35 Product component * tunnel terminals top * tunnel terminals bottom Tightening torque * with screw-type terminals N·m * 2.5 3.5 Tightening torque (lbf-in) * with screw connection Ibf-in * 22 31 Product feature * [not supplied - silicon-free] * halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation * according to DIN EN 61346-2 * according to DIN N 40719 extendable after IEC 204-2 / according * for extendable after IEC 204-2 / according | as encoded connectable conductor cross-section | | 14 2 |
| multibrin finely stranded with wire end processing mm² 1.5 35 Product component tunnel terminals top tunnel terminals bottom Tightening torque with screw-type terminals N·m 2.5 3.5 Tightening torque (lbf-in) with screw connection lbf-in 22 31 Product feature [not supplied - silicon-free] halogen-free Yes Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation according to DIN EN 61346-2 according to DIN EN 61346-2 according to DIN 40719 extendable after IEC 204-2 / according F | Section de conducteur raccordable | | |
| • finely stranded • with wire end processing Product component • tunnel terminals top • tunnel terminals bottom Tightening torque • with screw-type terminals N·m 2.5 3.5 Tightening torque (lbf-in) • with screw connection Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according Product component N-m 2.5 3.5 Yes Yes F F F F F F F F F F F F F | • solid | mm² | 4 50 |
| * with wire end processing Product component * tunnel terminals top * tunnel terminals bottom Tightening torque * with screw-type terminals N·m 2.5 3.5 Tightening torque (lbf-in) * with screw connection Ibf-in 22 31 Product feature * [not supplied - silicon-free] * halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation * according to DIN EN 61346-2 * according to DIN 40719 extendable after IEC 204-2 / according * Test Adaptive According to DIN 40719 extendable after IEC 204-2 / according to DIN 40719 extendable after I | • multibrin | mm² | 4 50 |
| Product component • tunnel terminals top • tunnel terminals bottom Tightening torque • with screw-type terminals N·m 2.5 3.5 Tightening torque (Ibf-in) • with screw connection Ibf-in 22 31 Product feature • [not supplied - silicon-free] Yes • halogen-free Yes Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according F | • finely stranded | | |
| tunnel terminals top tunnel terminals bottom Tightening torque with screw-type terminals N-m 2.5 3.5 Tightening torque (Ibf-in) with screw connection Ibf-in 22 31 Product feature fenot supplied - silicon-free] halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation according to DIN EN 61346-2 according to DIN 40719 extendable after IEC 204-2 / according Yes F | with wire end processing | mm² | 1.5 35 |
| tunnel terminals bottom Yes Tightening torque with screw-type terminals N·m 2.5 3.5 Tightening torque (lbf-in) with screw connection Ibf-in 22 31 Product feature [not supplied - silicon-free] halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation according to DIN EN 61346-2 according to DIN 40719 extendable after IEC 204-2 / according F | Product component | | |
| Tightening torque • with screw-type terminals N-m 2.5 3.5 Tightening torque (lbf-in) • with screw connection lbf-in 22 31 Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according F | • tunnel terminals top | | Yes |
| with screw-type terminals N-m 2.5 3.5 Tightening torque (lbf-in) with screw connection lbf-in 22 31 Product feature [not supplied - silicon-free] Yes halogen-free Yes Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation according to DIN EN 61346-2 according to DIN 40719 extendable after IEC 204-2 / according F | • tunnel terminals bottom | | Yes |
| Tightening torque (lbf-in) • with screw connection lbf-in 22 31 Product feature • [not supplied - silicon-free] Yes • halogen-free Yes Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 F • according to DIN 40719 extendable after IEC 204-2 / according F | Tightening torque | | |
| with screw connection Product feature [not supplied - silicon-free] halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation according to DIN EN 61346-2 according to DIN 40719 extendable after IEC 204-2 / according F | with screw-type terminals | N⋅m | 2.5 3.5 |
| Product feature • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according F | Tightening torque (lbf-in) | | |
| • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according F | with screw connection | lbf-in | 22 31 |
| Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according Yes 6 F | Product feature | | |
| Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according F | • [not supplied - silicon-free] | | Yes |
| accordance with IEC 60068-2-30 Item designation • according to DIN EN 61346-2 • according to DIN 40719 extendable after IEC 204-2 / according F | • halogen-free | | Yes |
| according to DIN EN 61346-2 according to DIN 40719 extendable after IEC 204-2 / according F | | | 6 |
| according to DIN 40719 extendable after IEC 204-2 / according F | Item designation | | |
| 3 | according to DIN EN 61346-2 | | F |
| | | | F |

Certificates/approvals:

General Product Approval

Declaration of Conformity













Test Certificates

Shipping Approval

other

Special Test Certificate





other

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/lowvoltage/mall

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

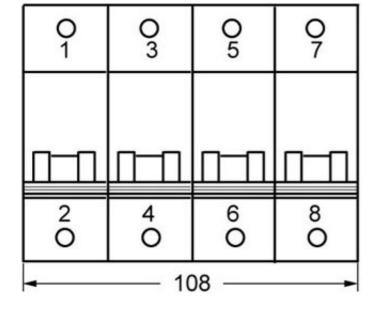
http://support.automation.siemens.com/WW/view/en/5SP4480-7/all

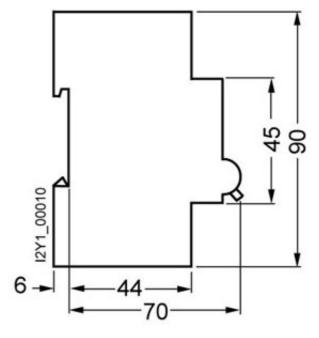
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

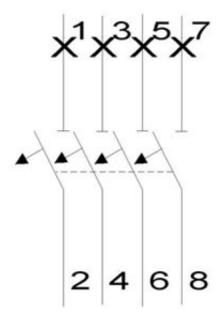
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP4480-7

CAx-Online-Generator

http://www.siemens.com/cax







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