

Miniature circuit breaker 240 V 14kA, 1-pole, C, 6 A, 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 | 1 |
| Number of poles / Note | 1P |
| Tripping characteristic class | C |
| 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 |
| Reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 | F |
| Overvoltage category | 3 |
| Voltage | |
| Insulation voltage / at AC / rated value | 440 V |
| Supply voltage | |

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| Type of voltage | AC/DC |
| Current / at AC / rated value | 6 A |
| Supply voltage / at AC / rated value | 400 V |
| Operating voltage | |
| <ul style="list-style-type: none"> • at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum | 240 V |
| <ul style="list-style-type: none"> • at DC / rated value / maximum | 60 V |
| <ul style="list-style-type: none"> • at DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum | 60 V |
| <ul style="list-style-type: none"> • at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum | 125 V |
| Supply voltage frequency | |
| <ul style="list-style-type: none"> • rated value | 50 Hz |

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| Protection class | |
| Protection class IP | IP20, with connected conductors, IP 40 in the handle range |

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| Switching capacity | |
| Switching capacity current | |
| <ul style="list-style-type: none"> • acc. to EN 60898 / rated value | 10 kA |
| <ul style="list-style-type: none"> • acc. 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 | 2.7 W |

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| Current | |
| Tripping residual / rated value / derated current / at 40 Cel | 6 A |

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| Main circuit | |
| Type of voltage supply / at AC / acc. to UL 489 and CSA C22.2 No. 5-02 | 240 |
| Suitability for operation | Mechanical engineering / industry |

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| Product details | |
| Product function / neutral conductor switching | No |
| Product feature / Touch protection | Yes |
| Product component | |
| <ul style="list-style-type: none"> • Tunnel terminals top | No |
| <ul style="list-style-type: none"> • Tunnel terminals bottom | No |
| <ul style="list-style-type: none"> • combined terminal top | Yes |
| <ul style="list-style-type: none"> • combined terminal bottom | Yes |
| Product feature | |
| <ul style="list-style-type: none"> • halogen-free | Yes |
| <ul style="list-style-type: none"> • sealable | Yes |
| <ul style="list-style-type: none"> • silicon-free | Yes |

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| Product extension / can be installed / supplementary devices | Yes |
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Product function

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| Product function / Note | Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in |
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Short circuit

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| Breaking capacity short-circuit current (I _{cn}) / at AC / acc. to UL 1077 and CSA C22.2 No.235 | 14 kA |
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Connections

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| Connectable conductor cross-section / finely stranded / with core end processing | 1.5 ... 25 mm ² |
| Position / of power supply cord | Any |

Mechanical Design

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|-----------------------|---------------------------|
| Height | 110 mm |
| Width | 18 mm |
| Depth | 70 mm |
| Installation depth | 70 mm |
| Number of width units | 1 |
| Mounting type | on standard mounting rail |
| Mounting position | any |
| Net weight | 171 g |

Environmental conditions

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| Influence of the surrounding temperature | max. 95% humidity |
| Vibration resistance | 50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec) |
| Vibration resistance / acc. to IEC 60068-2-6 | 50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec) |
| Ambient temperature | -25 ... +55 °C |
| • during storage | -40 ... +75 °C |

Certificates

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| Reference code | |
| • acc. to DIN EN 61346-2 | F |
| • acc. to DIN EN 81346-2 | F |

| General Product Approval | Declaration of Conformity | Test Certificates |
|--------------------------|---------------------------|-------------------|
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[Miscellaneous](#)

[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=5SJ4106-7HG41>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SJ4106-7HG41>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4106-7HG41

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>



