



Miniature circuit breaker 240 V 14kA, 2-pole, D, 5 A, D=70 mm according to UL 489

Figure similar

| Model   |  |
|---|--|
| product brand name  | SENTRON  |
| product designation   | Miniature circuit breakers   |
| design of the product   | Miniature circuit-breaker 5SJ4                                       |
| General technical data  |  |
| number of poles   | 2  |
| design of pole  | 2P   |
| tripping characteristic class   | D  |
| mechanical service life (operating 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   |  |
| insulation voltage (Ui) at AC rated value   | 440 V  |
| <ul style="list-style-type: none"> <li>• operational current           <ul style="list-style-type: none"> <li>— at 30 °C rated value</li> <li>— at 40 °C rated value</li> <li>— at 50 °C rated value</li> <li>— at 55 °C rated value</li> <li>— at 60 °C rated value</li> </ul> </li> </ul> |  |
| • operational current at AC rated value   | 5 A  |
| • at 30 °C rated value  | 5 A  |
| • at 40 °C rated value  | 5 A  |
| • at 50 °C rated value  | 4.8 A  |
| • at 55 °C rated value  | 4.6 A  |
| • at 60 °C rated value  | 4.5 A  |
| Supply voltage  |  |
| supply voltage  |  |
| • at AC   | 400 V  |
| • at DC rated value   | 60 V   |
| value range of the supply voltage frequency   | 50/60 Hz   |
| 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 1-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  |  |

|   |  |
|---|--|
| <b>protection class IP</b>  | IP 0 in the handle range   |
| <b>Breaking Capacity</b>  |  |
| <b>switching capacity current</b>   |  |
| • according to EN 60898 rated value   | 10 kA  |
| • according to IEC 60947-2 rated value  | 15 kA  |
| <b>Dissipation</b>  |  |
| power loss [W] for rated value of the current at AC in hot operating state per pole           | 2.5 W  |
| <b>Main circuit</b>   |  |
| <b>type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02</b>                | 240  |
| <b>suitability for operation</b>  | Infrastructure / Industry  |
| <b>Product details</b>  |  |
| <b>product feature touch protection</b>   | Yes  |
| <b>product component</b>  |  |
| • tunnel terminals top  | No   |
| • tunnel terminals bottom   | No   |
| • combined terminal top   | Yes  |
| • combined terminal bottom  | Yes  |
| • neutral conductor switching   | No   |
| <b>product feature halogen-free</b>   | Yes  |
| <b>product feature sealable</b>   | Yes  |
| <b>product feature silicon-free</b>   | Yes  |
| <b>product extension installable supplementary devices</b>                                    | Yes  |
| <b>Product function</b>   |  |
| <b>set values setting current (li) for I-tripping</b>   | 16   |
| <b>reference value setting current (li) for I-tripping</b>                                    | x In   |
| <b>product function note</b>  | Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in                |
| <b>Short circuit</b>  |  |
| short-circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235 | 14 kA  |
| <b>Connections</b>  |  |
| <b>connectable conductor cross-section finely stranded with core end processing</b>           |  |
| • minimum   | 0.75 mm <sup>2</sup>   |
| • maximum   | 25 mm <sup>2</sup>   |
| <b>tightening torque with screw-type terminals maximum</b>                                    | 3.5 N·m  |
| <b>position of power supply cord</b>  | Any  |
| <b>Mechanical Design</b>  |  |
| <b>height</b>   | 110 mm   |
| <b>width</b>  | 36 mm  |
| <b>depth</b>  | 70 mm  |
| <b>installation depth</b>   | 70 mm  |
| <b>number of modular width units</b>  | 2  |
| <b>fastening method</b>   | on standard mounting rail  |
| <b>mounting position</b>  | any  |
| <b>Net Weight</b>   | 325 g  |
| <b>Environmental conditions</b>   |  |
| <b>standard</b>   | IEC / EN 60947-2 / UL 489  |
| <b>vibration resistance</b>   | 50 m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec) |
| <b>vibration resistance according to IEC 60068-2-6</b>  | ±1 mm at 5 to 25 Hz; 50 m/s <sup>2</sup> at 25 to 150 Hz                 |
| <b>ambient temperature during operation</b>   |  |
| • minimum   | -25 °C   |
| • maximum   | 55 °C  |
| <b>ambient temperature during operation</b>   | max. 95% humidity  |
| <b>ambient temperature during storage</b>   |  |
| • minimum   | -40 °C   |
| • maximum   | 75 °C  |
| <b>Approvals Certificates</b>   |  |



CCC



EG-Konf.



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UL



VDE

General Product Approval

Test Certificates

other

Environment



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Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

<https://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SJ4211-8HG41>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SJ4211-8HG41>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SJ4211-8HG41](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4211-8HG41)

CAx-Online-Generator

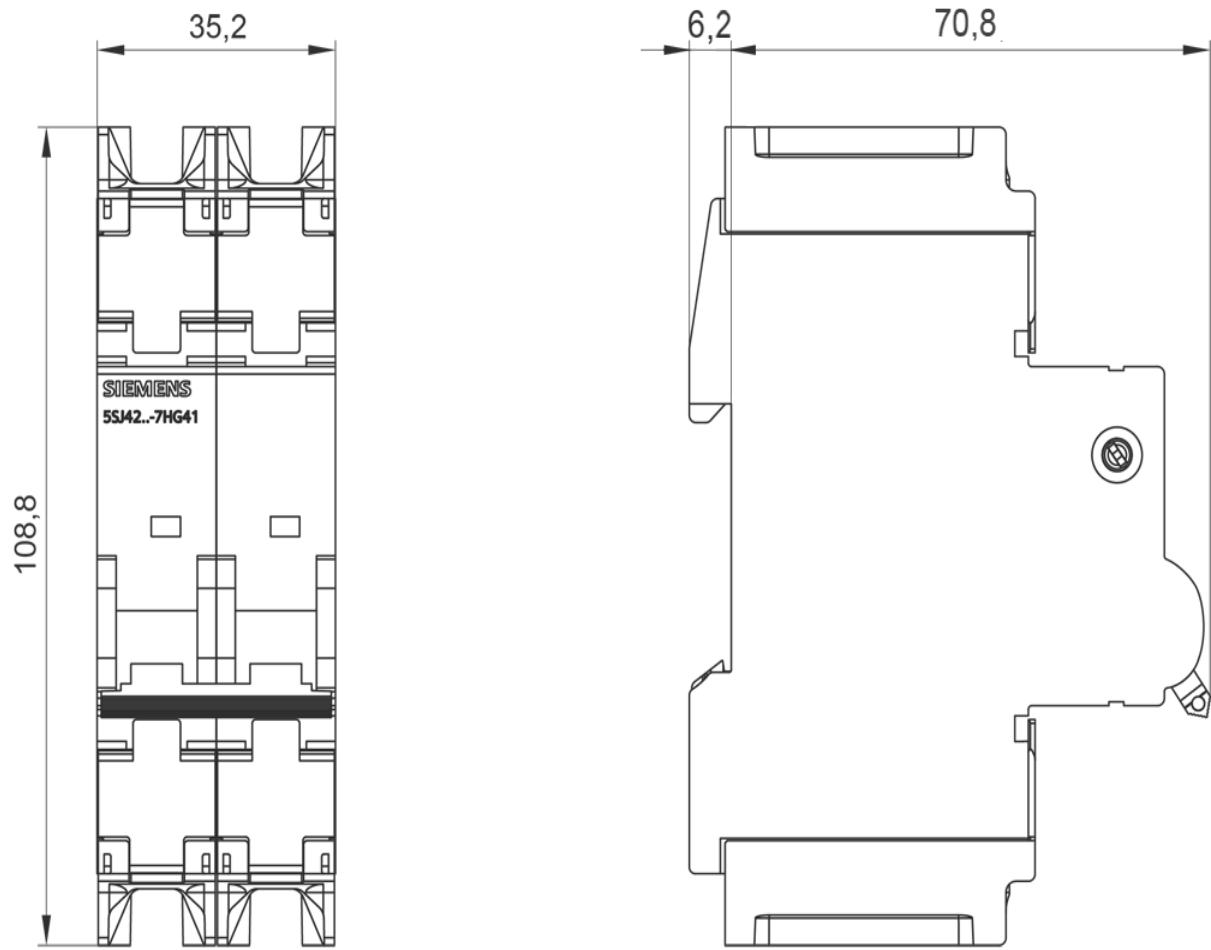
<https://www.siemens.com/cax>

Tender specifications

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

Characteristic curves

[https://curves.samaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="Haupt"></mmp\\_prod\\_no>](https://curves.samaris.siemens.com/curves/<mmp_prod_noCOMP=)



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