



Figure similar

Miniature circuit breaker 240 V 14kA, 3-pole, C, 32 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  | 3  |
| design of pole   | 3P   |
| tripping characteristic class  | C  |
| 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 (U <sub>i</sub> ) at AC rated value                                     | 440 V  |
| operational current  |  |
| • at 30 °C rated value   | 32 A   |
| • at 40 °C rated value   | 32 A   |
| • at 50 °C rated value   | 30.4 A   |
| • at 55 °C rated value   | 29.6 A   |
| • at 60 °C rated value   | 28.8 A   |
| • at AC rated value  | 32 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   |  |
| protection class IP  | IP20, with connected conductors, IP 40 in the handle range           |
| Breaking Capacity  |  |

|   |  |
|---|--|
| switching capacity current  |  |
| <ul style="list-style-type: none"> <li>• according to EN 60898 rated value</li> <li>• according to IEC 60947-2 rated value</li> </ul>   | <br>10 kA<br>15 kA   |
| <b>Dissipation</b>  |  |
| power loss [W] for rated value of the current at AC in hot operating state per pole   | 3.9 W  |
| <b>Main circuit</b>   |  |
| type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02   | 240  |
| suitability for operation   | Infrastructure / Industry  |
| <b>Product details</b>  |  |
| product feature touch protection  | Yes  |
| product component   |  |
| <ul style="list-style-type: none"> <li>• tunnel terminals top</li> <li>• tunnel terminals bottom</li> <li>• combined terminal top</li> <li>• combined terminal bottom</li> <li>• neutral conductor switching</li> </ul> | <br>No<br>No<br>Yes<br>Yes<br>No   |
| <b>product feature</b>  |  |
| <ul style="list-style-type: none"> <li>• halogen-free</li> <li>• sealable</li> <li>• silicon-free</li> </ul>  | <br>Yes<br>Yes<br>Yes  |
| product extension installable supplementary devices   | Yes  |
| <b>Product function</b>   |  |
| set values setting current (Ii) for I-tripping  | 7,5  |
| reference value setting current (Ii) for I-tripping   | x I <sub>n</sub>   |
| product function note   | Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in                |
| <b>Short circuit</b>  |  |
| short-circuit current breaking capacity (I <sub>cn</sub> ) at AC according to UL 1077 and CSA C22.2 No.235  | 14 kA  |
| <b>Connections</b>  |  |
| connectable conductor cross-section finely stranded with core end processing  |  |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>  | <br>0.75 mm <sup>2</sup><br>25 mm <sup>2</sup>                           |
| tightening torque with screw-type terminals maximum   | 3.5 N·m  |
| position of power supply cord   | Any  |
| <b>Mechanical Design</b>  |  |
| height  | 110 mm   |
| width   | 54 mm  |
| depth   | 70 mm  |
| installation depth  | 70 mm  |
| number of modular width units   | 3  |
| <b>fastening method</b>   | on standard mounting rail  |
| mounting position   | any  |
| net weight  | 491 g  |
| <b>Environmental conditions</b>   |  |
| standard  | IEC / EN 60947-2 / UL 489  |
| vibration resistance  | 50 m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec) |
| vibration resistance according to IEC 60068-2-6   | ±1 mm at 5 to 25 Hz; 50 m/s <sup>2</sup> at 25 to 150 Hz                 |
| ambient temperature during operation  |  |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>  | <br>-25 °C<br>55 °C  |
| ambient temperature during operation  | max. 95% humidity  |
| ambient temperature during storage  |  |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>  | <br>-40 °C<br>75 °C  |
| <b>Approvals Certificates</b>   |  |
| <b>General Product Approval</b>   |  |



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Further information

Information on the packaging

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

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=5SJ4332-7HG41>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SJ4332-7HG41>

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

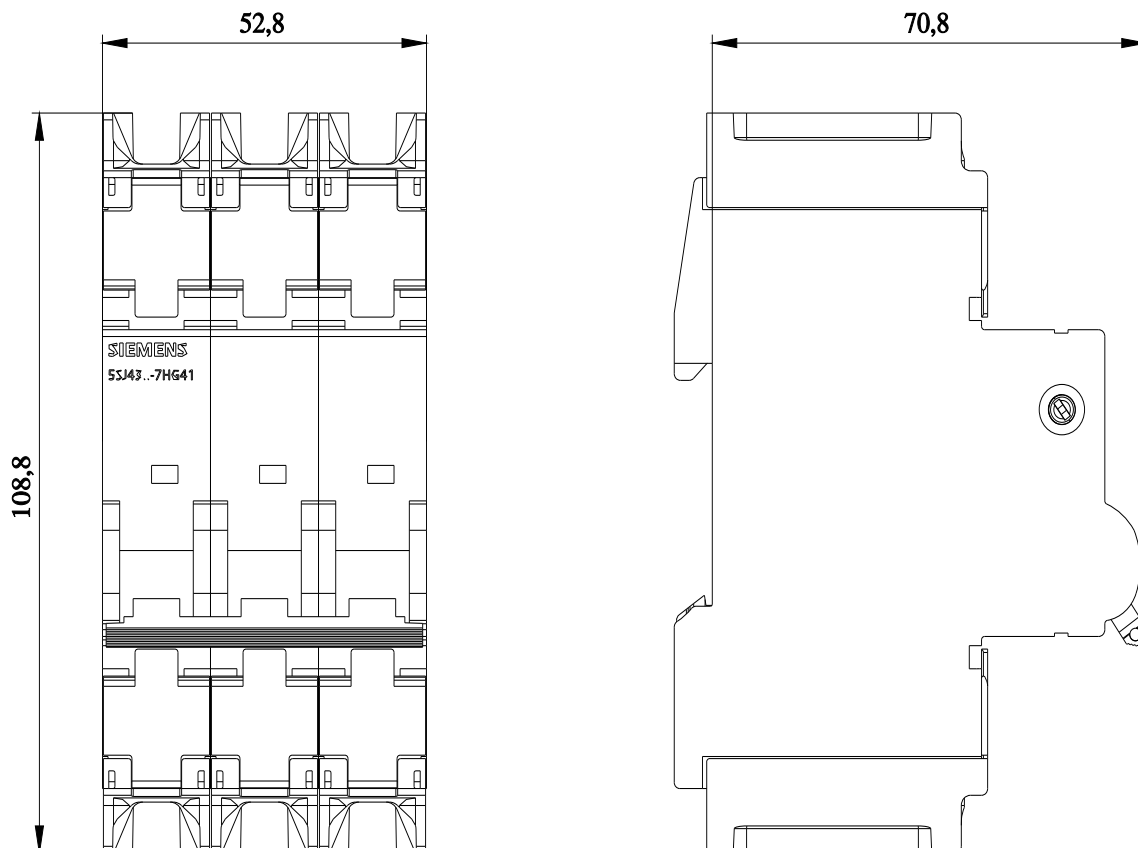
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SJ4332-7HG41](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4332-7HG41)

CAX-Online-Generator

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

Tender specifications

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



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