## SIEMENS

## Data sheet

## 5SJ4332-8HG41



Miniature circuit breaker 240 V 10kA, 3-pole, D, 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   | 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<br>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  |  |
| Supply voltage  |  |  |
| supply voltage  |  |  |
| <ul> <li>at AC rated value</li> </ul>   | 400 V  |  |
| <ul> <li>at DC rated value</li> </ul>   | 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  |  |
| <ul> <li>at DC rated value maximum</li> </ul>   | 60 V   |  |
| <ul> <li>at DC single channel according to UL 489 and CSA<br/>C22.2 No. 5-02 maximum</li> </ul> | 60 V   |  |
| <ul> <li>at DC 2-channel according to UL 489 and CSA<br/>C22.2 No. 5-02 maximum</li> </ul>      | 125 V  |  |
| supply voltage frequency rated value  | 50 Hz  |  |
| Protection class  |  |  |
| protection class IP   | IP20, with connected conductors, IP 40 in the handle range           |  |
| Switching capacity  |  |  |
| switching capacity current  |  |  |
| <ul> <li>according to EN 60898 rated value</li> </ul>   | 10 kA  |  |
| <ul> <li>according to IEC 60947-2 rated value</li> </ul>  | 15 kA  |  |
| Dissipation   |  |  |
| power loss [W] for rated value of the current at AC in hot operating state per pole             | 3.7 W  |  |
| Current   |  |  |
| operational current   |  |  |

| a at 20 °C rated value  | 20 4   |
|---|--|
| • at 30 °C rated value  | 32 A   |
| • at 40 °C rated value  | 32 A   |
| • at 45 °C rated value  | 31 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   |
| Main circuit  |  |
| type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02                       | 240  |
| suitability for operation   | Mechanical engineering / industry  |
| Product details   |  |
| product component   |  |
| tunnel terminals top  | No   |
| <ul> <li>tunnel terminals bottom</li> </ul>   | No   |
| <ul> <li>combined terminal top</li> </ul>   | Yes  |
| <ul> <li>combined terminal bottom</li> </ul>  | Yes  |
| <ul> <li>neutral conductor switching</li> </ul>   | No   |
| product feature   |  |
| halogen-free  | Yes  |
| • sealable  | Yes  |
| silicon-free  | Yes  |
| product extension installable supplementary devices   | Yes  |
| Product function  |  |
| product function note   | Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in                |
| Short circuit   |  |
|   | 10 kA  |
| short-circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235 | IU KA  |
| Connections   |  |
| connectable conductor cross-section finely stranded with                                      |  |
| core end processing   |  |
| • minimum   | 0.75 mm <sup>2</sup>   |
| • maximum   | 25 mm <sup>2</sup>   |
| tightening torque with screw-type terminals maximum   | 3.5 N·m  |
| position of power supply cord   | Any  |
| Mechanical Design   |  |
| height  | 110 mm   |
| width   | 54 mm  |
| depth   | 70 mm  |
| installation depth  | 70 mm  |
| number of modular width units   | 3  |
| fastening method  | on standard mounting rail  |
| mounting position   | any  |
| net weight  | 510 g  |
| Environmental conditions  |  |
| 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/s² at 25 to 150 Hz                             |
| ambient temperature during operation  |  |
| • minimum   | 55 °C  |
| • maximum   | -25 °C   |
| ambient temperature during operation  | max. 95% humidity  |
| ambient temperature during storage  |  |
| • minimum   | -40 °C   |
| • maximum   | 75 °C  |
| General Product Approval  | Declaration of Conformity  |
|   | ERE CE UK  |

other

Miscellaneous

Confirmation

Environmental Confirmations

Further information

**Miscellaneous** 

Information on the packaging

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

Special Test Certific-

ate

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=5SJ4332-8HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4332-8HG41

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

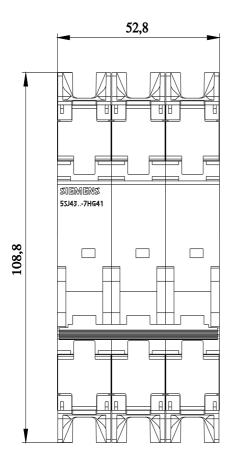
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4332-8HG41

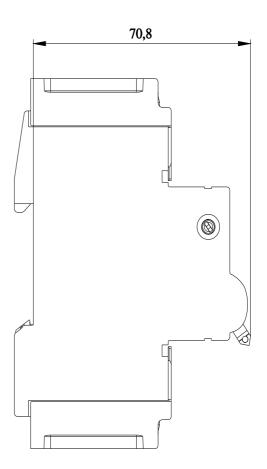
CAx-Online-Generator

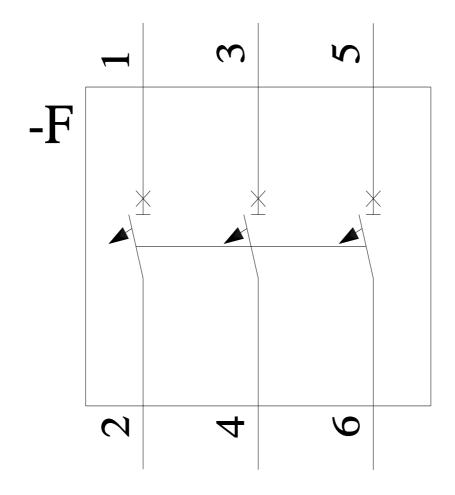
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







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