## SIEMENS

## Data sheet

## 5SJ4305-7HG41



Miniature circuit breaker 240 V 14kA, 3-pole, C, 0.5A, D=70 mm according to UL 489  $\,$ 

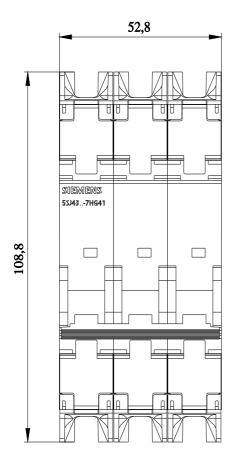
| Model   |  |  |
|---|--|--|
| product brand name  | SENTRON  |  |
| product designation   | Miniature circuit breakers   |  |
| design of the product   | Miniature circuit-breaker 5SJ4                                       |  |
| General technical data  |  |  |
| number of poles   | 3  |  |
| tripping characteristic class   | С  |  |
| mechanical service life (switching 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   |  |  |
| type of voltage / of the operating voltage  | AC/DC  |  |
| insulation voltage (Ui) / at AC / rated value   | 440 V  |  |
| Supply voltage  |  |  |
| supply voltage / at AC / rated value  | 400 V  |  |
| operating voltage   |  |  |
| <ul> <li>at AC / according to UL 489 and CSA C22.2 No. 5-<br/>02 / maximum</li> </ul>                 | 240 V  |  |
| <ul> <li>at DC / rated value / maximum</li> </ul>   | 60 V   |  |
| <ul> <li>at DC / single channel / according to UL 489 and<br/>CSA 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           | 1.2 W  |  |
| Current   |  |  |
| operational current   |  |  |
| • at 30 °C / rated value  | 0.5 A  |  |
| • at 40 °C / rated value  | 0.5 A  |  |

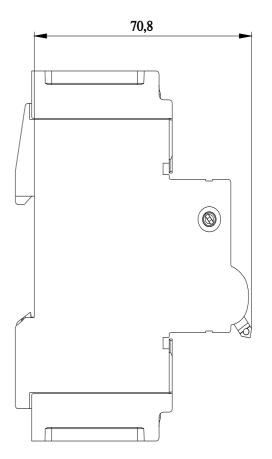
| <ul> <li>at 45 °C / rated value</li> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> </ul> | 0.48 A<br>0.46 A<br>0.44 A   |                              |
|--|--|------------------------------|
|  |  |                              |
| • at 55 °C / Taleu value   | U.44 A   |                              |
| <ul> <li>at 60 °C / rated value</li> </ul>   | 0.42 A   |                              |
| at AC / rated value  | 0.42 A   |                              |
| Main circuit   | 0.5 A  |                              |
|  | 240  |                              |
| type of voltage supply / at AC / according to UL 489 and CSA C22.2 No. 5-02                                |  |                              |
| suitability for operation  | Mechanical engineering / industry  |                              |
| Product details  |  |                              |
| product component / neutral conductor switching  | No   |                              |
| product feature / touch protection   | Yes  |                              |
| product component  |  |                              |
| tunnel terminals top   | No   |                              |
| tunnel terminals bottom  | No   |                              |
| combined terminal top  | Yes  |                              |
| combined terminal bottom   | Yes  |                              |
| product feature  |  |                              |
| <ul> <li>halogen-free</li> </ul>   | 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  |  |                              |
| breaking capacity short-circuit current (Icn) / at AC / according to UL 1077 and CSA C22.2 No.235          | 14 kA  |                              |
| Connections  |  |                              |
| connectable conductor cross-section / finely stranded / with core end processing                           |  |                              |
| • minimum  | 0.75 mm²   |                              |
| • maximum  | 25 mm²   |                              |
| 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  | -<br>70 mm   |                              |
| installation depth   | -<br>70 mm   |                              |
| number of modular width units  | 3  |                              |
| fastening method   | on standard mounting rail  |                              |
| mounting position  | any  |                              |
| net weight   | 497 g  |                              |
| Environmental conditions   |  |                              |
| vibration resistance   | 50 m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec) |                              |
| ambient temperature / during operation   |  |                              |
| • minimum  | 55 °C  |                              |
| • maximum  | -25 °C   |                              |
| ambient temperature / during storage   |  |                              |
| • minimum  | -40 °C   |                              |
| • maximum  | 75 °C  |                              |
| Certificates   |  |                              |
| reference code   |  |                              |
| <ul> <li>according to EN 61346-2</li> </ul>  | F  |                              |
| according to IEC 81346-2   | F  |                              |
| General Product Approval   |  | Declaration of<br>Conformity |



## 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=5SJ4305-7HG41 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ4305-7HG41 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4305-7HG41 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications





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