SIEMENS

Data sheet 5SJ4111-7HG41

Miniature circuit breaker 240 V 14kA, 1-pole, C, 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	1
Number of poles / Note	1P
Tripping characteristic class	С
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
Degree of pollution	3
Voltage	
Insulation voltage / at AC / rated value	440 V

Supply voltage	
Type of voltage	AC/DC
Operating current / at AC / rated value	5 A
Supply voltage / at AC / rated value	400 V
Operating voltage	
• at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum	240 V
at DC / rated value / maximum	60 V
 at DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	60 V
 at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	125 V
Supply voltage frequency	
• rated value	50 Hz
Dratastian slags	
Protection class Protection class IP	IP20, with connected conductors, IP 40 in the handle range
1 101001101101033 11	ii 20, with confidence conductors, ii 40 iii the fiandle range
Switching capacity	
Switching capacity current	
• acc. to EN 60898 / rated value	10 kA
• acc. to IEC 60947-2 / rated value	15 kA
Dissipation	
Power loss [W] / for rated value of the current / at AC	2.9 W
/ in hot operating state / per pole	
Current	
Tripping residual / rated value / derated current / at	5 A
40 Cel	
Main circuit	
Main circuit Type of voltage supply / at AC / acc. to UL 489 and	240
CSA C22.2 No. 5-02	+
Suitability for operation	Mechanical engineering / industry
Product details	
Product function / 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	
• halogen-free	Yes
• sealable	Yes
Godiabio	

• silicon-free	Yes
Product extension / can be installed / 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 (lcn) / at AC /	14 kA
acc. to UL 1077 and CSA C22.2 No.235	
Connections	
Connectable conductor cross-section / finely	
stranded / with core end processing	
• minimum	1.5 mm²
• maximum	25 mm²
Position / of power supply cord	Any
Mechanical Design	
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	
Influence of the surrounding temperature	max. 95% humidity
Vibration resistance	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
Vibration resistance / acc. to IEC 60068-2-6	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
Ambient temperature	
• minimum	-25 °C
• maximum	55 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	75 °C
Certificates	
Reference code	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

General Product Approval

Declaration of Conformity

Test Certificates









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=5SJ4111-7HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4111-7HG41

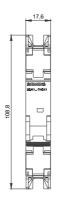
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4111-7HG41

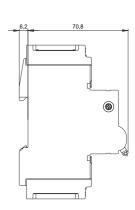
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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