SIEMENS

Data sheet 5SJ4110-7HG40

Miniature circuit breaker 240 V 14kA, 1-pole, C, 10A, D=70 mm according to UL 489, equal polarity



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	10 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	120 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	
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		
• 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 / in hot operating state / per pole	1.4 W	
Current		
Tripping residual / rated value / derated current / at 40 Cel	10 A	
Main circuit		
Type of voltage supply / at AC / acc. to UL 489 and CSA C22.2 No. 5-02	240/120	
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	
• silicon-free	Yes	
- Silloon noo		

Product extension / can be installed / supplementary	Yes
devices	
Product function	
Product function / Note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
Short circuit	441-0
Breaking capacity short-circuit current (Icn) / at AC / acc. to UL 1077 and CSA C22.2 No.235	14 kA
Connections	
Connectable conductor cross-section / finely	
stranded / with core end processing	
• minimum	1.5 mm ²
• maximum	25 mm ²
Position / of power supply cord	Any
Mechanical Design	
Height	90 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	162 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
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• acc. to DIN EN 81346-2

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=5SJ4110-7HG40

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4110-7HG40

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4110-7HG40

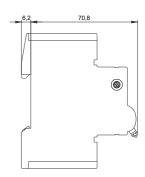
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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