## SIEMENS

## Data sheet

## 5SJ4110-7HG41

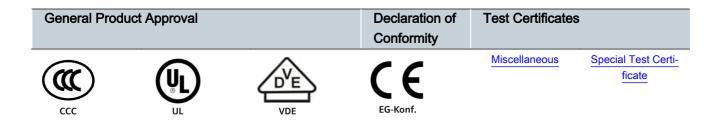
Miniature circuit breaker 240 V 14kA, 1-pole, C, 10A, D=70 mm according to UL 489



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
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	240 V
• at DC / rated value / maximum	60 V
<ul> <li>at DC / 1-channel / acc. to UL 489 and CSA</li> <li>C22.2 No. 5-02 / maximum</li> </ul>	60 V
<ul> <li>at DC / 2-channel / acc. to UL 489 and CSA</li> <li>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	
• acc. to EN 60898 / rated value	10 kA
<ul> <li>acc. 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	1.4 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
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
<ul> <li>combined terminal bottom</li> </ul>	Yes
Product feature	
● halogen-free	Yes
• sealable	Yes

• silicon-free	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 /	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 mm <sup>2</sup>	
• maximum	25 mm <sup>2</sup>	
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	169 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	



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=5SJ4110-7HG41

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ4110-7HG41

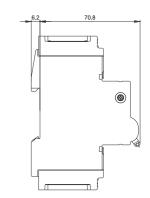
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4110-7HG41

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



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