## **SIEMENS**

Data sheet 5SJ4106-7HG40

CIRCUIT BREAKER 240V 14KA, 1-POLE, C, 6A, D=70MM ACC. TO UL 489, SAME POLARITY



Model	
product brandname	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
Equipment marking / acc. to DIN 40719 extended	F
according to IEC 204-2 / acc. to IEC 750	
Overvoltage category	3
Voltage	
Type of voltage	AC/DC
Insulation voltage / at AC / rated value	440 V

Supply voltage	400.17
Supply voltage / at AC / rated value	400 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]	
<ul> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	2.7 W
• maximum	1 W
Electricity	
rated current In / IEC, DIN/VDE / at 40 Cel	6 A
Current / at AC / rated value	6 A
Main circuit	
Type of voltage supply / at AC / acc. to UL 489 and	240/120
CSA C22.2 No. 5-02	
Operating voltage	
• minimum	24 V
• at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum	120 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
• at DC / rated value / maximum	60 V
Product details	
Product feature / Touch protection	Yes
Product component	
<ul> <li>Tunnel terminals top</li> </ul>	No
Tunnel terminals bottom	No
combined terminal top	Yes
combined terminal bottom	Yes
Product feature	
halogen-free	Yes
• sealable	Yes
• 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	
neutral conductor switching	No	
Short circuit  Breaking capacity short-circuit current (lcn) / at AC /	14 kA	
acc. to UL 1077 and CSA C22.2 No.235	14 KA	
Number		
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	6	
Connections		
Connectable conductor cross-section / finely		
stranded / with core end processing		
• minimum	1.5 mm <sup>2</sup>	
• maximum	25 mm²	
Position / of power supply cord	Any	
Mechanical Design		
Height	90 mm	
Width	18 mm	
Depth	70 mm	
Mounting position	any	
Installation depth	70 mm	
Number of width units	1	
Mounting type	on standard mounting rail	
Environmental conditions		
Degree of pollution	3	
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	
during storage / minimum	-40 °C	
during storage / maximum	75 °C	
Certificates		
Equipment marking		
● acc. to DIN EN 61346-2	F	
	F	

## **Test Certificates General Product Approval Declaration of** Conformity









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## **Further information**

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)
<a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SJ4106-7HG40">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SJ4106-7HG40</a>

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

http://support.automation.siemens.com/WW/view/en/5SJ4106-7HG40/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4106-7HG40">http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4106-7HG40</a>

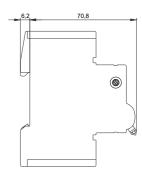
**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications





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