## SIEMENS

## Data sheet

## 5SJ4106-8HG41



Miniature circuit breaker 240 V 14kA, 1-pole, D, 6 A, D=70 mm according to UL 489  $\,$ 

	SENTRON					
product designation	SENTRON					
P	Miniature circuit breakers					
design of the product	Miniature circuit-breaker 5SJ4					
General technical data						
number of poles	1					
design of pole	1P					
tripping characteristic class	D					
mechanical service life (operating cycles) typical	10 000					
installation environment regarding EMC	Suitable for environment B (immunity to interference not applicable)					
according to IEC 204-2 according to IEC 750	F					
overvoltage category	3					
degree of pollution	3					
Voltage						
insulation voltage (Ui) at AC rated value	440 V					
Supply voltage						
supply voltage						
• at AC rated value	400 V					
at DC rated value	60 V					
operating voltage						
at AC according to UL 489 and CSA C22.2 No. 5-02     maximum	240 V					
at DC rated value maximum	60 V					
at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum	60 V					
at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum	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	2.7 W					
Current						
operational current						
• at 30 °C rated value	6 A					

<ul> <li>at 40 °C rated value</li> </ul>	6 A	
<ul> <li>at 45 °C rated value</li> </ul>	5.8 A	
<ul> <li>at 50 °C rated value</li> </ul>	5.7 A	
<ul> <li>at 55 °C rated value</li> </ul>	5.6 A	
<ul> <li>at 60 °C rated value</li> </ul>	5.4 A	
<ul> <li>at AC rated value</li> </ul>	6 A	
Main circuit		
type of voltage supply at AC according to UL 489 and	240	
CSA C22.2 No. 5-02		
suitability for operation	Mechanical engineering / industry	
Product details		
product component		
tunnel terminals top	No	
tunnel terminals bottom	No	
combined terminal top	Yes	
combined terminal bottom	Yes	
neutral conductor switching	No	
product feature	110	
halogen-free	Yes	
• sealable	Yes	
• silicon-free	Yes	
product extension installable supplementary devices	Yes	
Product function		
		0.411
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/	311b.in
Short circuit		
short-circuit current breaking capacity (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 mm <sup>2</sup>	
• 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	18 mm	
depth	70 mm	
installation depth	70 mm	
number of modular width units	1	
fastening method	on standard mounting rail	
mounting position	any	
net weight	169 g	
Environmental conditions		
vibration resistance	50 m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec)	
vibration resistance according to IEC 60068-2-6	$\pm 1$ mm at 5 to 25 Hz; 50 m/s <sup>2</sup> at 25 to 150 Hz	
ambient temperature during operation		
minimum	55 °C	
• maximum	-25 °C	
ambient temperature during operation	max. 95% humidity	
ambient temperature during storage		
minimum	-40 °C	
• maximum	75 °C	
General Product Approval		Declaration of Conformity
	•	comornity
<u>Confirmation</u>	ΓΠΓ	((
	EAC	עכ
CCC UL	VDE	EG-Konf.

Declaration of Conformity	Test Certificates		other		
UK	<u>Miscellaneous</u>	Special Test Certific- ate	Environmental Con- firmations	<u>Miscellaneous</u>	<b>Confirmation</b>

## **Further information**

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Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=5SJ4106-8HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4106-8HG41

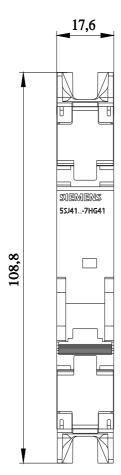
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4106-8HG41

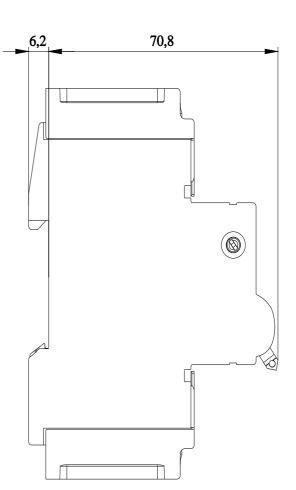
**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications





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