## SIEMENS

## Data sheet

## 5SJ4108-7HG41



Miniature circuit breaker 240 V 14kA, 1-pole, C, 8A, 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	
tripping characteristic class	С	
mechanical service life (switching cycles) / typical	10 000	
installation environment regarding EMC	Suitable for environment B (immunity to interference not applicable)	
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 (Ui) / at AC / rated value	440 V	
Supply voltage		
supply voltage / at AC / rated value	400 V	
operating voltage		
<ul> <li>at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum</li> </ul>	240 V	
<ul> <li>at DC / rated value / maximum</li> </ul>	60 V	
<ul> <li>at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum</li> </ul>	60 V	
<ul> <li>at DC / 2-channel / acc. to UL 489 and CSA C22.2</li> <li>No. 5-02 / maximum</li> </ul>	125 V	
Protection class		
protection class IP	IP20, with connected conductors, IP 40 in the handle range	
Switching capacity		
switching capacity current		
<ul> <li>acc. to EN 60898 / rated value</li> </ul>	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	2.6 W	
Current		
operational current		
• at 30 °C / rated value	8 A	
• at 40 °C / rated value	8 A	
• at 45 °C / rated value	7.8 A	
• at 50 °C / rated value	7.6 A	

• at 55 °C / rated value	7.4 A
	7.2 A
	8 A
n circuit	
	240
	Mechanical engineering / industry
duct details	
	No
5	Yes
bduct feature / touch protection	res
	No
	No
	Yes
	Yes
oduct feature	
	Yes
	Yes
	Yes
	Yes
duct function	
	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
	reminal lightening torque for Cu, 60/75 C, 5.51417/5110.111
rt circuit	4414
UL 1077 and CSA C22.2 No.235	14 kA
nections	
nnectable conductor cross-section / finely stranded / h core end processing	
	0.75 mm <sup>2</sup>
	25 mm²
	3.5 N·m
	Any
hanical Design	
ight	110 mm
	18 mm
	70 mm
	70 mm
	1
	on standard mounting rail
•	any
-	169 g
ironmental conditions	
	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
bient temperature / during operation	
	55 °C
	-25 °C
bient temperature / during storage	
	-40 °C
	75 °C
ificates	
erence code	
	F
• acc. to IEC 81346-2	F
eneral Product Approval	Declaration of Conformity Test Certificates
	<b>FNF CC</b> <u>Miscellaneous</u>
	EHL CE

## Test Certificates

Special Test Certific- Miscellaneous ate

Further information

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

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

other

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SJ4108-7HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4108-7HG41

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

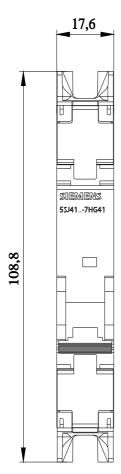
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4108-7HG41

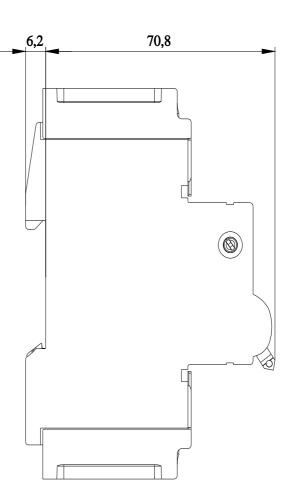
**CAx-Online-Generator** 

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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