## SIEMENS

## Data sheet

## 5SJ4106-7HG41



Miniature circuit breaker 240 V 14kA, 1-pole, C, 6 A, 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 / according to DIN 40719 extended according to IEC 204-2 / according to IEC 750	F			
overvoltage category	3			
degree of pollution	3			
Voltage				
type of voltage / of the operating voltage	AC/DC			
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 / according 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 / according to UL 489 and CSA C22.2 No. 5-02 / maximum</li> </ul>	60 V			
<ul> <li>at DC / 2-channel / according to UL 489 and CSA 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				
<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			
• at 40 °C / rated value	6 A			

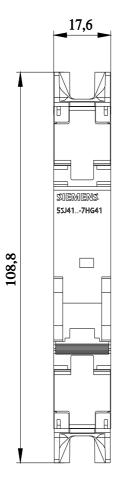
	5.0.4	
• at 45 °C / rated value	5.8 A	
<ul> <li>at 50 °C / rated value</li> </ul>	5.7 A	
• at 55 °C / rated value	5.6 A	
<ul> <li>at 60 °C / rated value</li> </ul>	5.4 A	
at AC / rated value	6 A	
Main circuit		
type of voltage supply / at AC / according to UL 489 and CSA C22.2 No. 5-02	240	
suitability for operation	Mechanical engineering / industry	
Product details		
product component / neutral conductor switching	No	
product feature / touch protection	Yes	
product component		
<ul> <li>tunnel terminals top</li> </ul>	No	
<ul> <li>tunnel terminals bottom</li> </ul>	No	
<ul> <li>combined terminal top</li> </ul>	Yes	
<ul> <li>combined terminal bottom</li> </ul>	Yes	
product feature		
<ul> <li>halogen-free</li> </ul>	Yes	
• sealable	Yes	
<ul> <li>silicon-free</li> </ul>	Yes	
product extension / installable / supplementary devices	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	
according to UL 1077 and CSA C22.2 No.235		
Connections		
connectable conductor cross-section / finely stranded /		
with core end processing		
• minimum	0.75 mm²	
• 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	171 g	
Environmental conditions		
vibration resistance	50 m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec)	
ambient temperature / during operation		
minimum	55 °C	
• maximum	-25 °C	
ambient temperature / during storage		
minimum	-40 °C	
• maximum	75 °C	
Certificates		
reference code		
e according to EN 61346-2	F	
according to EC 81346-2	F	
		Declaration of
General Product Approval		Conformity

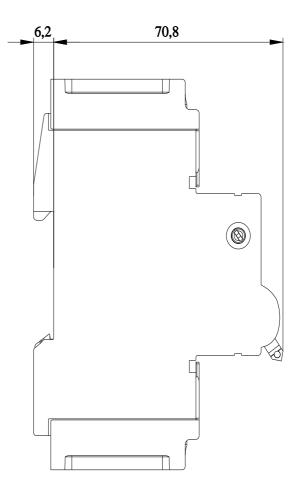
	<u>Confirmation</u>		UDE VDE	EHC	UK CA
Declaration of Conformity	Test Certificates		other		
C C EG-Konf.	<u>Miscellaneous</u>	<u>Special Test Certific-</u> <u>ate</u>	<u>Miscellaneous</u>		

## 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=5SJ4106-7HG41 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ4106-7HG41 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4106-7HG41 CAx-Online-Generator http://www.siemens.com/cax Tender specifications

http://www.siemens.com/specifications





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