## SIEMENS

## Data sheet

## 5SJ4114-8HG41



Miniature circuit breaker 240 V 14kA, 1-pole, D, 0.3A, D=70 mm according to UL 489  $\,$ 

product brand name						
product brand name	SENTRON					
product designation	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)					
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						
insulation voltage (Ui) at AC rated value	440 V					
Supply voltage						
supply voltage						
<ul> <li>at AC rated value</li> </ul>	400 V					
<ul> <li>at DC rated value</li> </ul>	60 V					
operating voltage						
• at AC according to UL 489 and CSA C22.2 No. 5-02 maximum	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	1.1 W					
Current						
operational current						
• at 30 °C rated value	0.3 A					

General Product Approval		Declaration of Conformity
• maximum	75 °C	
• minimum	-40 °C	
ambient temperature during storage		
ambient temperature during operation	max. 95% humidity	
• minimum • maximum	-25 °C	
<ul> <li>ambient temperature during operation</li> <li>minimum</li> </ul>	55 °C	
vibration resistance according to IEC 60068-2-6	±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz	
vibration resistance	50 m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec)	
nvironmental conditions		
net weight	177 g	
mounting position	any	
fastening method	on standard mounting rail	
number of modular width units	1	
installation depth	70 mm	
depth	70 mm	
width	18 mm	
height	110 mm	
lechanical Design		
position of power supply cord	Any	
tightening torque with screw-type terminals maximum	3.5 N·m	
• maximum	25 mm²	
• minimum	0.75 mm²	
core end processing		
connectable conductor cross-section finely stranded with		
onnections		
short-circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235	14 kA	
hort circuit		
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/	
	Terminal tightening targue for Out 60/75°Out 5 New	31lb in
roduct extension installable supplementary devices		
product extension installable supplementary devices	Yes	
silicon-free	Yes	
sealable	Yes	
halogen-free	Yes	
product feature		
neutral conductor switching	No	
<ul> <li>combined terminal top</li> <li>combined terminal bottom</li> </ul>	Yes	
tunnel terminals bottom	No Yes	
tunnel terminals top	No	
product component		
roduct details		
suitability for operation	Mechanical engineering / industry	
CSA C22.2 No. 5-02		
type of voltage supply at AC according to UL 489 and	240	
ain circuit		
<ul> <li>at AC rated value</li> </ul>	0.3 A	
<ul> <li>at 60 °C rated value</li> </ul>	0.25 A	
at 55 °C rated value	0.26 A	
• at 50 °C rated value	0.28 A	
<ul> <li>at 45 °C rated value</li> </ul>	0.29 A	

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

## **Further information**

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=5SJ4114-8HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4114-8HG41

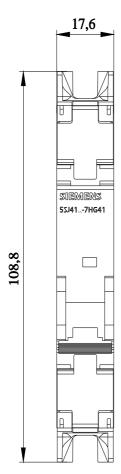
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4114-8HG41

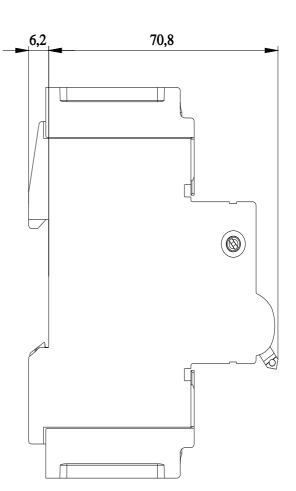
**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications





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