SIEMENS

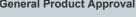
Data sheet 5SJ4111-7HG40



Miniature circuit breaker 240 V 14kA, 1-pole, C, 5A, D=70 mm according to UL 489, equal polarity

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			
design of pole	1P			
tripping characteristic class	C			
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				
 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 	120 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			
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				
 according to EN 60898 rated value 	10 kA			
 according to IEC 60947-2 rated value 	15 kA			
Dissipation				
power loss [W] for rated value of the current at AC in hot operating state per pole	2.9 W			
Main circuit				
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	240/120			
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					
halogen-free	Yes				
• sealable	Yes				
• silicon-free	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					
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 mm²				
• maximum	25 mm²				
tightening torque with screw-type terminals maximum	3.5 N·m				
position of power supply cord	Any				
Mechanical Design					
height	90 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	154 g				
Environmental conditions					
vibration resistance	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)				
vibration resistance according to IEC 60068-2-6	±1 mm at 5 to 25 Hz; 50 m/s² 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



Confirmation









Conformity	Test Certificates		other		Environment
C€	Miscellaneous	Special Test Certificate	Confirmation	<u>Miscellaneous</u>	Environmental Confirmations

EG-Konf.

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=5SJ4111-7HG40

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4111-7HG40

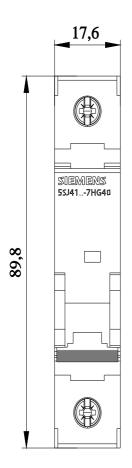
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax en.aspx?mlfb=5SJ4111-7HG40

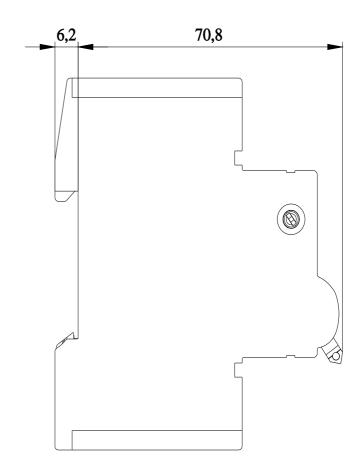
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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