SIEMENS

Data sheet

5SJ4101-7HG40



Miniature circuit breaker 240 V 14kA, 1-pole, C, 1A, 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			
tripping characteristic class	C			
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				
 at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	120 V			
 at DC / rated value / maximum 	60 V			
 at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	60 V			
Protection class				
protection class IP	IP20, with connected conductors, IP 40 in the handle range			
Switching capacity				
switching capacity current				
 acc. to EN 60898 / rated value 	10 kA			
 acc. 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	1.7 W			
Current				
operational current				
• at 30 °C / rated value	1 A			
 at 40 °C / rated value 	1 A			
• at 45 °C / rated value	0.96 A			
• at 50 °C / rated value	0.9 A			
• at 55 °C / rated value	0.9 A			

• at 60 °C / rated value	0.84 A			
at AC / rated value	1 A			
Main circuit				
type of voltage supply / at AC / acc. to UL 489 and CSA C22.2 No. 5-02	240/120			
suitability for operation	Mechanical engineering / industry			
Product details				
product component / neutral conductor switching	No			
product feature / touch protection	Yes			
product component				
tunnel terminals top	No			
tunnel terminals bottom	No			
 combined terminal top 	Yes			
 combined terminal bottom 	Yes			
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	or Cu. 60/75°C: 3.5Nm	/31lb.in	
Short circuit				
breaking capacity short-circuit current (Icn) / at AC / acc. 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 ²			
• maximum	25 mm ²			
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	164 g			
Environmental conditions	Ũ			
vibration resistance	50 m/s ² at 25 to 150Hz and	60m/s² 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				
acc. to DIN EN 61346-2	F			
• acc. to IEC 81346-2	F			
General Product Approval		Declaration of Conformity	Test Certificates	
		comonnity		
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	r LIIL	EG-Konf.		
CCC UL VDE		and manual		

Special Test Certific- Miscellaneous ate

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=5SJ4101-7HG40

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4101-7HG40

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

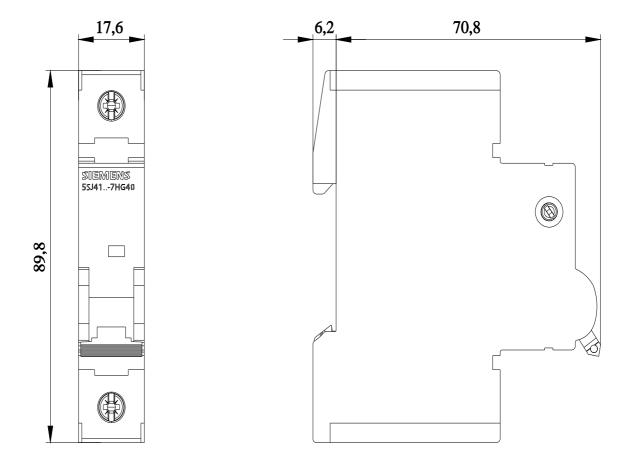
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4101-7HG40

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



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