SIEMENS

Data sheet 5SJ4105-8HG40



Miniature circuit breaker 240 V 14kA, 1-pole, D, 0.5A, D=70 mm according to UL 489, equal polarity

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 IDIN 40719 extended according to IEC 204-2 according to ICT 670 overvoltage category 3 degree of pollution 3 overvoltage (Ui) at AC rated value 440 V Supply voltage 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 • at DC rated value maximum •	Model		
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operating state per pole Main circuit type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02 240/120	Dissipation		
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02 240/120		1.2 W	
Č22.2 No. 5-02	Main circuit		
		240/120	
suitability for operation Mechanical engineering / industry	suitability for operation	Mechanical engineering / industry	
Product details	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	167 g		
Environmental conditions			
standard	IEC / EN 60947-2 / UL 489		
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











Test Certificates other Environment

 $\frac{\text{Miscellaneous}}{\text{ate}} \quad \frac{\text{Special Test Certific-}}{\text{ate}} \quad \frac{\text{Miscellaneous}}{\text{Miscellaneous}} \quad \frac{\text{Confirmation}}{\text{firmations}} \quad \frac{\text{Environmental Confirmation}}{\text{firmations}}$

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=5SJ4105-8HG40

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4105-8HG40

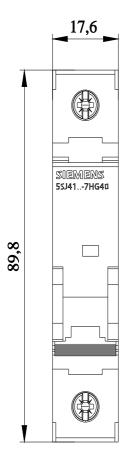
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4105-8HG40

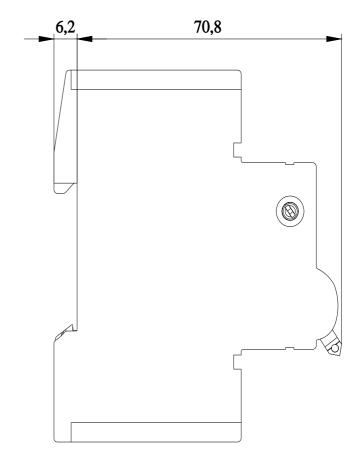
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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