SIEMENS

Data sheet

5SJ4120-7HG40



Miniature circuit breaker 240 V 14kA, 1-pole, C, 20 A, 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	С		
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			
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			
 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	2.4 W		
Current			
operational current			
• at 30 °C / rated value	20 A		
• at 40 °C / rated value	20 A		
• at 45 °C / rated value	19.4 A		
• at 50 °C / rated value	18.8 A		

• at 55 °C / rated value	18.1 A		
• at 60 °C / rated value	17.6 A		
 at AC / rated value 	20 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 f	for 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 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	163 g		
Environmental conditions			
vibration resistance	50 m/s ² at 25 to 150Hz and	60m/s ² 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
		~ ~	<u>Miscellaneous</u>

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Test Certificates other

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=5SJ4120-7HG40

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4120-7HG40

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

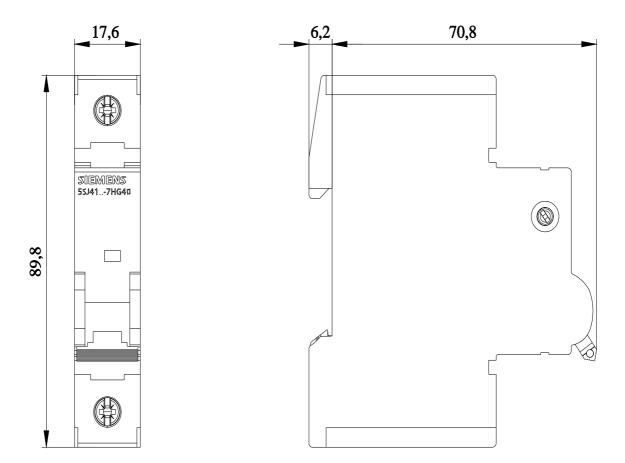
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4120-7HG40

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



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