SIEMENS

Data sheet

5SJ4115-7HG40



Miniature circuit breaker 240 V 14kA, 1-pole, C, 1.6A, D=70 mm according to UL 489, equal polarity

product brand name SENTRON product designation Miniature circuit breakers design of the product Miniature circuit breaker SSI4 Ceneral technical data I number of poles 1 titpping 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 / according to DIN 40719 extended according to DIN 40719 extended according to DIC 2042 / according to DIN 40719 extended according to DIN 40719 extended according to DIC 2042 / according to DIN 40719 extended according to DIN 40719 extended according to DIC 2042 / according to DIN 40719 extended according to DIN 40719 extended according to DIC 2042 / according to DIN 40719 extended according to DIN 40719 extended insulation ovoltage (UI) / at AC / rated value 400 V Operating voltage at AC / rated value • at DC / according to UL 489 and CSA C22.2 No.5- 120 V 00 / csholes / rated value 60 V cscording to EL Neosel / maximum 60 V cscording to EN 60398 / rated value	Model			
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• at 40 °C / rated value 1.6 A	operational current			
	• at 30 °C / rated value	1.6 A		
• at 45 °C / rated value 1.5 A	• at 40 °C / rated value	1.6 A		
	• at 45 °C / rated value	1.5 A		

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• at 50 °C / rated value	1.5 A		
• at 55 °C / rated value	1.4 A		
• at 60 °C / rated value	1.3 A		
at AC / rated value	1.6 A		
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 / 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	100		
	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/	211h in	
product function / note	Terminal lightening lorque for Cu, 60/75 C, 3.514m/	5110.111	
Short circuit			
breaking capacity short-circuit current (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 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	165 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	-40 C 75 °C		
Certificates			
reference code	-		
according to EN 61346-2	F		
according to IEC 81346-2	F		
General Product Approval		Declaration of Conformity	



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=5SJ4115-7HG40 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ4115-7HG40 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4115-7HG40 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

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