SIEMENS

Data sheet

5SJ4140-6HG40



Miniature circuit breaker 240 V 14kA, 1-pole, B, 40A, 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	В			
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 IEC 204-2 according 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			
value range of the supply voltage frequency	50/60 Hz			
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	4.8 W			
Current				
operational current				
• at 30 °C rated value	40 A			
 at 40 °C rated value 	40 A			
• at 45 °C rated value	38.8 A			

• at 50 °C rated value	37.6 A		
• at 55 °C rated value	36.3 A		
at 60 °C rated value	35.2 A		
at AC rated value	40 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			
tunnel terminals top	No		
tunnel terminals bottom	No		
combined terminal top	Yes		
combined terminal top combined terminal bottom	Yes		
	No		
neutral conductor switching	NO		
product feature	N/		
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			
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 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			
vibration resistance	50 m/s ² at 25 to 150Hz and 60m/s ² 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		
Certificates			
reference code			
according to EN 61346-2	F		
according to EC 81346-2	F		
-			
General Product Approval	Declaration of Conformity		

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Test Certificates		other		
<u>Miscellaneous</u>	<u>Special Test Certific-</u> <u>ate</u>	Miscellaneous	Environmental Con- firmations	

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=5SJ4140-6HG40

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4140-6HG40

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

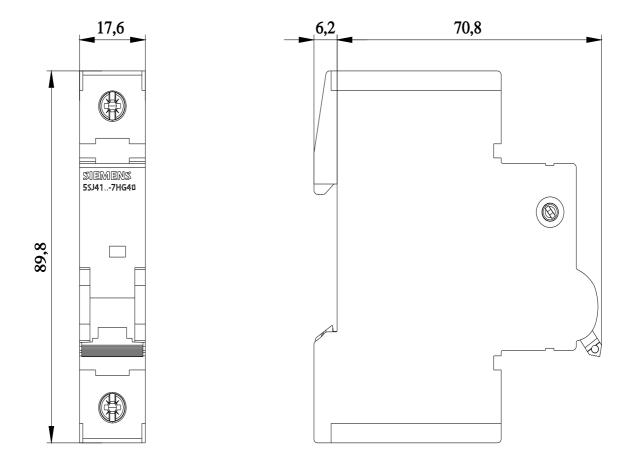
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4140-6HG40

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



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