SIEMENS

Data sheet

5SJ4125-7HG40

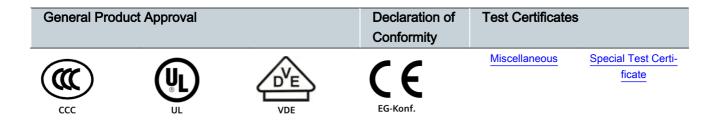
Miniature circuit breaker 240 V 14kA, 1-pole, C, 25A, D=70 mm according to UL 489, equal polarity



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	
Number of poles / Note	1P	
Tripping characteristic class	С	
Installation environment regarding EMC	Suitable for environment B (immunity to interference not	
	applicable)	
circuit-breaker / Design	5SJ4	
Mechanical service life (switching cycles) / typical	20 000	
Reference code / acc. to DIN 40719 extended	F	
according to IEC 204-2 / acc. to IEC 750		
Overvoltage category	3	
Degree of pollution	3	
Voltage		
Insulation voltage / at AC / rated value	440 V	

Supply voltage	
Type of voltage	AC/DC
Operating current / at AC / rated value	25 A
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 / 1-channel / acc. 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	
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	2.6 W
Current	
Tripping residual / rated value / derated current / at 40 Cel	25 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 details Product function / 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 top combined terminal bottom	Yes
Product feature	
halogen-free	Yes
	Yes
• sealable	
• silicon-free	Yes

Product extension / can be installed / 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 / acc. to UL 1077 and CSA C22.2 No.235	14 kA
Connections	
Connectable conductor cross-section / finely stranded / with core end processing	
• minimum	1.5 mm ²
• maximum	25 mm²
Position / of power supply cord	Any
Mechanical Design	
Height	90 mm
Width	18 mm
Depth	70 mm
Installation depth	70 mm
Number of width units	1
Mounting type	on standard mounting rail
Mounting position	any
Net weight	163 g
Environmental conditions	
Influence of the surrounding temperature	max. 95% humidity
Vibration resistance	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
Vibration resistance / acc. to IEC 60068-2-6	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
Ambient temperature	
• minimum	-25 °C
• maximum	55 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	75 °C
Certificates	
Reference code	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F



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=5SJ4125-7HG40

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ4125-7HG40

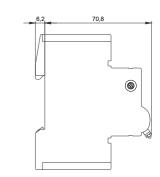
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4125-7HG40

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



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