SIEMENS

Data sheet

5SJ4114-8HG42

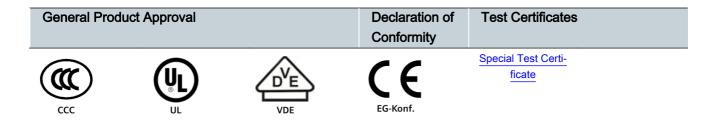
Circuit breaker 10kA, 1-pole, D, 0.3 A according to UL 489-277V



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	D	
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	0.3 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 	277 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
 at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	125 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	1.1 W
/ in hot operating state / per pole	
Current	
Tripping residual / rated value / derated current / at 40 Cel	0.3 A
Main circuit	
Type of voltage supply / at AC / acc. to UL 489 and CSA C22.2 No. 5-02	480/277
Suitability for operation	Mechanical engineering / industry
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 bottom 	Yes
product feature / halogen-free	Yes
Product feature / sealable	Yes
product feature / seature	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	10 kA
Connections	
connectable conductor cross-section / finely stranded / with core end processing	
• minimum	1.5 mm ²
• maximum	25 mm ²
Position / of power supply cord	Any
Mechanical Design	
Height	121 mm
Width	18 mm
Depth	76 mm
installation depth	70 mm
number of width units	1
Mounting type	on standard mounting rail
mounting position	any
net weight	182 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
 Reference code / 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=5SJ4114-8HG42

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ4114-8HG42

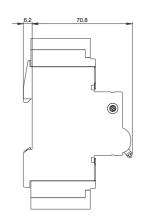
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4114-8HG42

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



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