SIEMENS

Data sheet

5SJ4132-7HG40



Miniature circuit breaker 240 V 14kA, 1-pole, C, 32 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		
design of pole	1P		
tripping 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 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	3.9 W		
Current			
operational current			
 at 30 °C rated value 	32 A		
 at 40 °C rated value 	32 A		
● at 45 °C rated value	31 A		

 at 50 °C rated value 	30.1 A
• at 55 °C rated value	29 A
• at 60 °C rated value	28.16 A
at AC rated value	32 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 top tunnel terminals bottom	No
combined terminals bottom	Yes
combined terminal top combined terminal bottom	Yes
neutral conductor switching	No
product feature	NO
halogen-free	Yes
sealable	Yes
silicon-free	Yes
 sincon-nee 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 mm ²
• maximum	25 mm ²
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	164 g
Environmental conditions	
vibration resistance	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
vibration resistance according to IEC 60068-2-6	± 1 mm at 5 to 25 Hz; 50 m/s ² 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	F
 according to EN 61346-2 according to IEC 81346-2 	F
-	
General Product Approval	Declaration of Conformity

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

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=5SJ4132-7HG40

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4132-7HG40

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

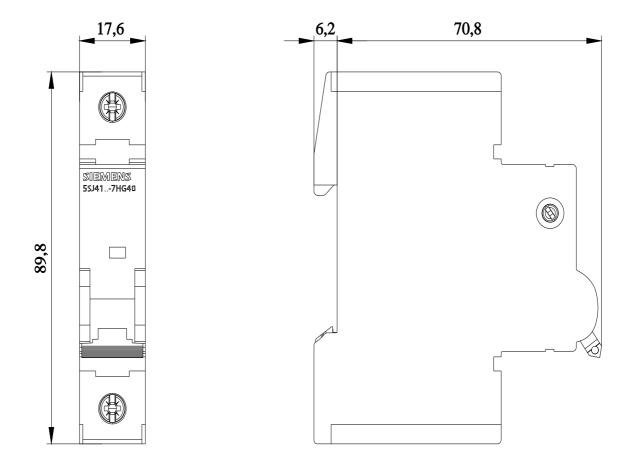
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4132-7HG40

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



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