SIEMENS

Data sheet

5SJ4125-6HG40



Miniature circuit breaker 240 V 14kA, 1-pole, B, 25A, 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 General technical data 1 number of poles 1 titpping characteristic class B 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 3 according to EC 204-2 / according to DIN 40719 extended 3 according to DIN 40719 extended F according to DIN 40719 extended 3 ververollage category 3 degree of pollution 3 Votage f supply vottage (UI) / at AC / rated value 440 V Supply vottage at AC / rated value • at DC / according to UL 489 and CSA C22.2 No.5-0 120 V 02 / maximum 60 V cSA C / according to UL 489 and CSA C22.2 No.5-0 120 V supply voltage frequency / rated value 50 Hz Protection class protection class	Model		
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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 3.1 W Current operational current • at 30 °C / rated value 25 A • at 40 °C / rated value 25 A	Protection class		
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hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value 25 A	Dissipation		
operational current 25 A • at 40 °C / rated value 25 A		3.1 W	
• at 30 °C / rated value 25 A • at 40 °C / rated value 25 A	Current		
• at 40 °C / rated value 25 A	operational current		
	• at 30 °C / rated value	25 A	
• at 45 °C / rated value 24.25 A	• at 40 °C / rated value	25 A	
	• at 45 °C / rated value	24.25 A	

• at 50 °C / rated value	23.5 A
• at 55 °C / rated value	22.7 A
• at 60 °C / rated value	22 A
at AC / rated value	25 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	
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	166 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	75 °C
Certificates	
reference code	
 according to EN 61346-2 	F
according to IEC 81346-2	F
General Product Approval	Declaration of Conformity



Confirmation

<u>ate</u>







Test Certificates

Miscellaneous

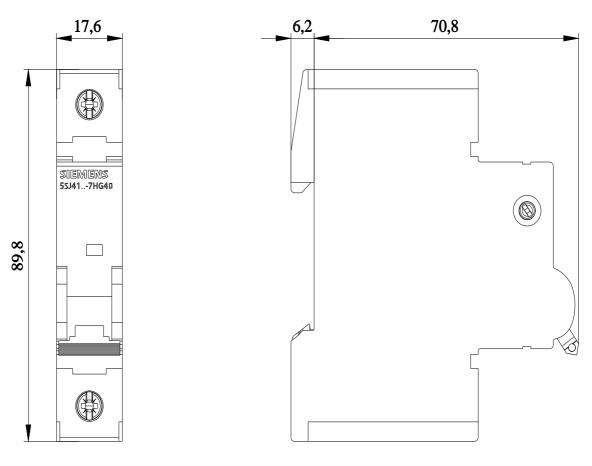
Special Test Certific- Miscellaneous

other

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=5SJ4125-6HG40 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ4125-6HG40 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4125-6HG40 CAx-Online-Generator http://www.siemens.com/cax Tender specifications

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