SIEMENS

Data sheet 5SJ4110-7HG40



Miniature circuit breaker 240 V 14kA, 1-pole, C, 10A, D=70 mm according to UL 489, equal polarity

product brand name product designation design of the product General technical data number of poles 1 tripping characteristic class C mechanical service life (switching cycles) / typical installation environment regarding EMC reference code/ acc. to DIA 04719 extended according to IEC 204-2 / acc. to IEC 750 overvoltage category 3 degree of pollution Voltage insulation voltage / at AC / rated value 440 V Supply voltage supply voltage supply voltage 440 V Supply voltage at AC / race. to UL 489 and CSA C22.2 No. 5-02 / maximum at DC / rated value / maximum at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum Protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity switching capacity current acc. to EN 60898 / rated value acc. to EN 60898 / rated value 15 kA Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current at 40 °C / rated value at 45 °C / rated value	Model			
design of the product General technical data number of poles Itipping characteristic class mechanical service life (switching cycles) / typical installation environment regarding EMC reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 overvoltage category degree of pollution Voltage insulation voltage / at AC / rated value supply voltage / at AC / rated value at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum Protection class protection class IP Switching capacity switching capacity switching capacity current acc. to IEC 60947-2 / rated value acc. to IEC 60947-2 / rated value 10 kA acc. to IEC 60947-2 / rated value 11 kW Dissipation power loss [M] / for rated value of the current / at AC / in hot operating state / per pole Current Operational current at 43 0 °C / rated value 10 A at 45 °C / rated value 10 A at 45 °C / rated value 10 A at 45 °C / rated value 10 A 3 Handard recircuit-breaker 58J4 10 A 4 to 000 Suitable for environment B (immunity to interference not applicable) F Capacity Suitable for environment B (immunity to interference not applicable) 10 A 10 A 10 A 10 A 11 A W 11 A W 12 A V 13 A V 14 A V 15 A A 16 A A 17 A A A V 18 A A V 19 A A 19 A A 10 A 10 A 11 A W 10 A 11 A A 11 A W 11 A A 11 A A	product brand name	SENTRON		
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installation environment regarding EMC reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 overvoltage category degree of pollution 3 Voltage insulation voltage / at AC / rated value supply voltage supply voltage at AC / rated value • at AC / rated value / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / rated value / maximum • at DC / rated value / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum Protection class protection class IP Switching capacity switching capacity switching capacity current • acc. to IEC 60947-2 / rated value • at 30 °C / rated value of the current / at AC / in hot operating state / per pole Current • at 30 °C / rated value • at 40 °C / rated value	tripping characteristic class	С		
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degree of pollution Voltage insulation voltage / at AC / rated value Supply voltage / at AC / rated value supply voltage / at AC / rated value operating voltage at AC / rated value operating voltage at AC / rated value 400 V operating voltage at AC / rated value 400 V operating voltage at AC / rated value / maximum 60 V otal DC / rated value / maximum 60 V otal DC / single channel / acc. to UL 489 and CSA 60 V C22.2 No. 5-02 / maximum Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity current otal acc. to EN 60898 / rated value 10 kA otal acc. to EC 60947-2 / rated value 15 kA Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current otal at 30 °C / rated value 10 A otal 40 °C / rated value 9.7 A		F		
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insulation voltage / at AC / rated value Supply voltage supply voltage • at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / rated value / maximum • at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum Protection class protection class IP Switching capacity switching capacity current • acc. to EN 60898 / rated value • acc. to IEC 60947-2 / rated value 10 kA • acc. to IEC 60947-2 / rated value 15 kA Dissipation power loss [VI] for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value • at 40 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 45 °C / rated value • at 45 °C / rated value • 37 A	degree of pollution	3		
supply voltage supply voltage / at AC / rated value 400 V operating voltage • at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / rated value / maximum 60 V • at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 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 Current operational current • at 30 °C / rated value 10 A • at 40 °C / rated value 9.7 A	Voltage			
supply voltage / at AC / rated value 400 V operating voltage • at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / rated value / maximum 60 V • at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 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 Current operational current • at 30 °C / rated value 10 A • at 40 °C / rated value 9.7 A	insulation voltage / at AC / rated value	440 V		
operating voltage • at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / rated value / maximum • at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity current • acc. to IEC 60947-2 / rated value 10 kA • acc. to IEC 60947-2 / rated value 15 kA	Supply voltage			
at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum at DC / rated value / maximum at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 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 acc. to IEC 60947-2 / rated value Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current at 30 °C / rated value at 40 °C / rated value at 45 °C / rated value 9.7 A	supply voltage / at AC / rated value	400 V		
maximum • at DC / rated value / maximum • at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 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 • acc. to IEC 60947-2 / rated value Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 45 °C / rated value 9.7 A	operating voltage			
at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 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 acc. to IEC 60947-2 / rated value 10 kA bissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current at 30 °C / rated value at 40 °C / rated value at 45 °C / rated value at 45 °C / rated value 9.7 A		120 V		
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 • acc. to IEC 60947-2 / rated value IS KA Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 45 °C / rated value 9.7 A	at DC / rated value / maximum	60 V		
protection class IP Switching capacity switching capacity current • acc. to EN 60898 / rated value • acc. to IEC 60947-2 / rated value power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value 9.7 A		60 V		
Switching capacity switching capacity current • acc. to EN 60898 / rated value • acc. to IEC 60947-2 / 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 Current operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 45 °C / rated value 9.7 A	Protection class			
switching capacity current • acc. to EN 60898 / rated value • acc. to IEC 60947-2 / rated value 10 kA • acc. to IEC 60947-2 / rated value Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value 9.7 A	protection class IP	IP20, with connected conductors, IP 40 in the handle range		
acc. to EN 60898 / rated value 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 Current operational current at 30 °C / rated value at 40 °C / rated value at 45 °C / rated value 9.7 A	Switching capacity			
acc. to IEC 60947-2 / rated value Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current at 30 °C / rated value at 40 °C / rated value at 45 °C / rated value 9.7 A	switching capacity current			
Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 45 °C / rated value 9.7 A	• acc. to EN 60898 / rated value	10 kA		
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value 9.7 A	acc. to IEC 60947-2 / rated value	15 kA		
hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value 9.7 A	Dissipation			
operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value 9.7 A		1.4 W		
 at 30 °C / rated value at 40 °C / rated value at 45 °C / rated value 9.7 A 	Current			
 at 40 °C / rated value at 45 °C / rated value 9.7 A 	operational current			
• at 45 °C / rated value 9.7 A	• at 30 °C / rated value	10 A		
	• at 40 °C / rated value	10 A		
• at 50 °C / rated value 9.4 A	• at 45 °C / rated value	9.7 A		
	 at 50 °C / rated value 	9.4 A		

• at 55 °C / rated value	9.1 A		
• at 60 °C / rated value	0.88 A		
at AC / rated value	10 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 / in	dustry	
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		
• sealable	Yes		
• silicon-free	Yes		
product extension / installable / supplementary devices	Yes		
Product function			
product function / note	Terminal tightening torque f	or Cu, 60/75°C; 3.5Nm/	/31lb.in
Short circuit	0 0 1		
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	0 == 0		
• minimum	0.75 mm²		
• 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	162 g		
Environmental conditions			
vibration resistance	50 m/s ² at 25 to 150Hz and	60m/s² 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			
• acc. to DIN EN 61346-2	F		
• acc. to IEC 81346-2	F		
General Product Approval		Declaration of Conformity	Test Certificates











CE EG-Konf.

Test Certificates

other

Special Test Certific-

Miscellaneous

<u>ate</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=5SJ4110-7HG40

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4110-7HG40

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

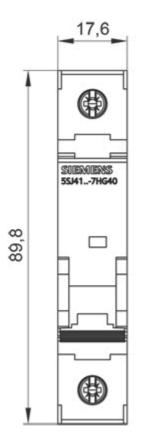
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4110-7HG40

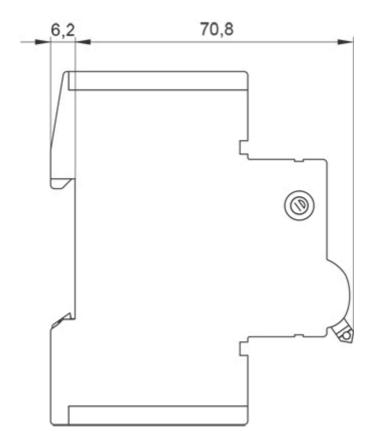
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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