SIEMENS

Data sheet

5SJ4102-7HG40



Miniature circuit breaker 240 V 14kA, 1-pole, C, 2A, 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			
tripping characteristic class	С			
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			
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	1.8 W			
Current				
operational current				
• at 30 °C / rated value	2 A			
 at 40 °C / rated value 	2 A			
● at 45 °C / rated value	1.9 A			

• at 50 °C / rated value 1.9 A • at 50 °C / rated value 1.8 A • at 60 °C / rated value 2.A Man actorit 2401/20 Stability for value y supply / at AC / according to UL 489 and 2401/20 Stability for value y supply / at AC / according to UL 489 and 2401/20 Stability for value / supply / at AC / according to UL 489 and 2401/20 Stability for value / supply / at AC / according to UL 489 and 2401/20 Stability for value / supply / at AC / according to UL 489 and No product component / • • functional terminals top Yes product component / • • functional terminals top Yes product extension / installable / supplementary devices Yes product extension / installable / supplementary devices Yes product function / note Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in Short arcal		4.0.4	
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ambient temperature / during operation 55 °C • minimum 55 °C • maximum -25 °C ambient temperature / during storage -40 °C • minimum -40 °C • maximum 75 °C Certificates reference code F • according to EN 61346-2 F • according to IEC 81346-2 F • according to IEC 81346-2 F • according to IEC 81346-2 F			
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 according to IEC 81346-2 F		20 Π/S ⁻ at 25 to 150HZ and 60M/S ² at 35HZ (4sec)	
maximum -25 °C ambient temperature / during storage o minimum -40 °C o °C maximum 75 °C Certificates reference code o according to EN 61346-2 F o according to IEC 81346-2 F		55.80	
ambient temperature / during storage -40 °C • minimum -40 °C • maximum 75 °C Certificates reference code • according to EN 61346-2 • according to IEC 81346-2 F • according to IEC 81346-2 F • according to IEC 81346-2			
minimum -40 °C maximum 75 °C Certificates reference code according to EN 61346-2 F according to IEC 81346-2 F Ceneral Product Approval Declaration of		-20 0	
maximum 75 °C Certificates reference code according to EN 61346-2 F according to IEC 81346-2 F Ceneral Product Approval Declaration of		10.10	
Certificates reference code • according to EN 61346-2 • according to IEC 81346-2 F General Broduct Approval Declaration of			
reference code		75 °C	
according to EN 61346-2 F according to IEC 81346-2 F Ceneral Product Approval Declaration of			
according to IEC 81346-2 F Ceneral Product Approval Declaration of			
General Product Approval Declaration of	-	F	
(Conoral Product Approval	according to IEC 81346-2	F	
	General Product Approval		

	<u>Confirmation</u>	(U) UL	DE	EHC	
Declaration of Conformity	Test Certificates		other		
CE EG-Konf.	<u>Miscellaneous</u>	<u>Special Test Certific-</u> <u>ate</u>	<u>Miscellaneous</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=5SJ4102-7HG40 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ4102-7HG40 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4102-7HG40 CAx-Online-Generator http://www.siemens.com/cax Tender specifications

http://www.siemens.com/specifications

