SIEMENS

Data sheet

5SJ4225-7HG41



Miniature circuit breaker 240 V 14kA, 2-pole, C, 25A, D=70 mm according to UL 489 $\,$

Model			
product brand name	SENTRON		
product designation	Miniature circuit breakers		
design of the product	Miniature circuit-breaker 5SJ4		
General technical data			
number of poles	2		
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 / acc. to DIN 40719 extended according to IEC 204-2 / acc. 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 / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	240 V		
 at DC / rated value / maximum 	60 V		
 at DC / single 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		
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	2.9 W		
Current			
operational current			
• at 30 °C / rated value	25 A		
 at 40 °C / rated value 	25 A		
 at 45 °C / rated value 	24.3 A		

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• at 50 °C / rated value	23.8 A			
 at 55 °C / rated value 	23.1 A			
 at 60 °C / rated value 	22.5 A			
 at AC / rated value 	25 A			
Main circuit				
type of voltage supply / at AC / acc. to UL 489 and CSA C22.2 No. 5-02	240			
suitability for operation	Mechanical engineering / in	dustrv		
Product details				
	No			
product component / neutral conductor switching product feature / touch protection	Yes			
	165			
product component	No			
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				
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				
• minimum	0.75 mm ²			
• maximum	25 mm²			
tightening torque / with screw-type terminals / maximum	3.5 N·m			
position / of power supply cord	Any			
Mechanical Design				
	110 mm			
height width	-			
	36 mm 70 mm			
depth	70 mm			
installation depth	-			
number of modular width units	2 on standard mounting rail			
fastening method	on standard mounting rail			
mounting position	any			
net weight	332 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				
• acc. to DIN EN 61346-2	F			
• acc. to IEC 81346-2	F			
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General Product Approval		Conformity	Test Certificates	







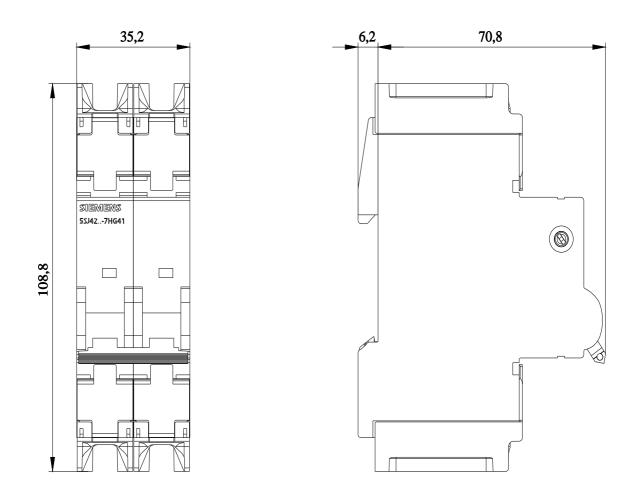




Test Certificates

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Further information



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