## SIEMENS

## Data sheet

## 5SJ4220-7HG41



Miniature circuit breaker 240 V 14kA, 2-pole, C, 20 A, 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	C		
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			
<ul> <li>at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum</li> </ul>	240 V		
<ul> <li>at DC / rated value / maximum</li> </ul>	60 V		
<ul> <li>at DC / single channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum</li> </ul>	60 V		
<ul> <li>at DC / 2-channel / acc. to UL 489 and CSA C22.2</li> <li>No. 5-02 / maximum</li> </ul>	125 V		
Protection class			
protection class IP	IP20, with connected conductors, IP 40 in the handle range		
Switching capacity			
switching capacity current			
<ul> <li>acc. to EN 60898 / rated value</li> </ul>	10 kA		
<ul> <li>acc. to IEC 60947-2 / rated value</li> </ul>	15 kA		
Dissipation			
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.4 W		
Current			
operational current			
• at 30 °C / rated value	20 A		
• at 40 °C / rated value	20 A		
• at 45 °C / rated value	19.4 A		

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a at 50 °C / rated value	10.4			
• at 50 °C / rated value	19 A			
• at 55 °C / rated value	18.5 A			
• at 60 °C / rated value	18 A			
at AC / rated value	20 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 / industry			
Product details		·		
product component / neutral conductor switching	No			
product feature / touch protection	Yes			
product component	100			
tunnel terminals top	No			
tunnel terminals bottom	No			
<ul> <li>combined terminal top</li> <li>combined terminal bottom</li> </ul>	Yes			
	Yes			
product feature	X			
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 <sup>2</sup>			
• maximum	25 mm²			
tightening torque / with screw-type terminals / maximum	3.5 N·m			
position / of power supply cord	Any			
Mechanical Design	,			
height	110 mm			
width				
	36 mm 70 mm			
depth				
installation depth	70 mm			
number of modular width units	2			
fastening method	on standard mounting rail			
mounting position	any			
net weight	328 g			
Environmental conditions				
vibration resistance	50 m/s <sup>2</sup> at 25 to 150Hz and	60m/s <sup>2</sup> 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			
		Declaration of		
General Product Approval		Conformity	Test Certificates	







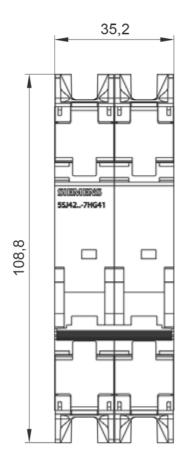


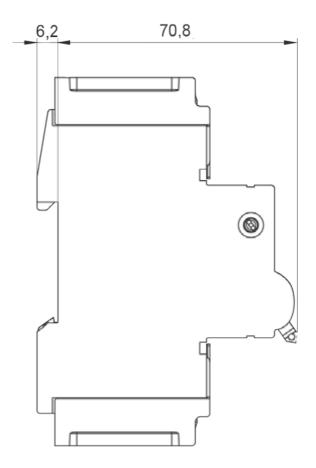


Test Certificates

s other

Further information





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