## SIEMENS

## Data sheet

## 5SJ4201-7HG42



Circuit breaker 10kA, 2-pole, C, 1A according to UL 489-480Y/277V

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			
<ul> <li>at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum</li> </ul>	277 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	1.7 W		
Current			
operational current			
• at 30 °C / rated value	1 A		
• at 40 °C / rated value	1 A		
• at 45 °C / rated value	0.97 A		

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a at 50 °C / rated value	0.0.4				
• at 50 °C / rated value	0.9 A				
• at 55 °C / rated value	0.9 A				
• at 60 °C / rated value		0.88 A			
at AC / rated value	1 A				
Main circuit					
type of voltage supply / at AC / acc. to UL 489 and CSA C22.2 No. 5-02	480/277				
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					
combined terminal top	Yes				
product feature	Tes				
	Vee				
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	10 kA				
Connections					
connectable conductor cross-section / finely stranded /					
with core end processing					
• minimum	0.75 mm²				
• maximum	25 mm²				
tightening torque / with screw-type terminals / maximum	3.5 N·m				
position / of power supply cord	Any				
Mechanical Design					
height	121 mm				
width	- 36 mm				
depth	70 mm				
	70 mm				
installation depth					
number of modular width units	2				
fastening method	on standard mounting rail				
mounting position	any				
net weight	340 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		





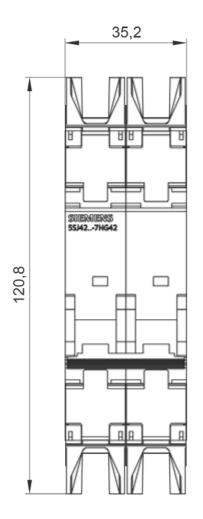


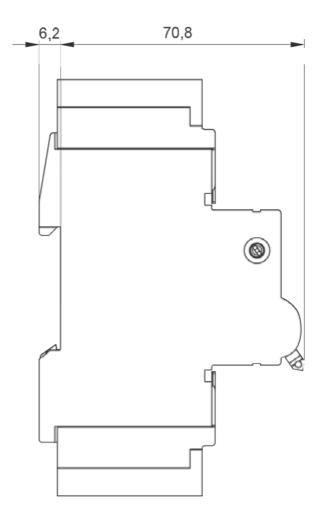




other

Further information





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