## **SIEMENS**

Data sheet 5SJ4202-7HG41



Miniature circuit breaker 240 V 14kA, 2-pole, C, 2A, 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			
design of pole	2P			
tripping characteristic class	C			
mechanical service life (operating 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				
insulation voltage (Ui) at AC rated value	440 V			
Supply voltage				
supply voltage				
<ul> <li>at AC rated value</li> </ul>	400 V			
<ul> <li>at DC rated value</li> </ul>	60 V			
value range of the supply voltage frequency	50/60 Hz			
operating voltage				
<ul> <li>at AC according 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 according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul>	60 V			
<ul> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul>	125 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				
<ul> <li>according to EN 60898 rated value</li> </ul>	10 kA			
<ul> <li>according 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	1.8 W			
Main circuit				
type of voltage supply at AC according to UL 489 and	240			

CSA C22.2 No. 5-02		
suitability for operation	Mechanical engineering / industry	
Product details		
product component		
<ul> <li>tunnel terminals top</li> </ul>	No	
<ul> <li>tunnel terminals bottom</li> </ul>	No	
<ul> <li>combined terminal top</li> </ul>	Yes	
<ul> <li>combined terminal bottom</li> </ul>	Yes	
<ul> <li>neutral conductor switching</li> </ul>	No	
product feature		
<ul><li>halogen-free</li></ul>	Yes	
• sealable	Yes	
• silicon-free	Yes	
product extension installable supplementary devices	Yes	
Product function		
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/	31lb.in
Short circuit		
short-circuit current breaking capacity (Icn) at AC according 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	
depth	70 mm	
installation depth	70 mm	
number of modular width units	2	
fastening method	on standard mounting rail	
mounting position	any	
net weight	339 g	
Environmental conditions		
vibration resistance	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)	
vibration resistance according to IEC 60068-2-6	±1 mm at 5 to 25 Hz; 50 m/s <sup>2</sup> at 25 to 150 Hz	
ambient temperature during operation		
• minimum	55 °C	
• maximum	-25 °C	
ambient temperature during operation	max. 95% humidity	
ambient temperature during storage		
• minimum	-40 °C	
maximum	75 °C	
General Product Approval		Declaration of Conformity



Confirmation









Declaration of Conformity	Test Certificates		other		Environment
UK	Miscellaneous	Special Test Certificate	Confirmation	Miscellaneous	Environmental Confirmations

## **Further information**

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=5SJ4202-7HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4202-7HG41

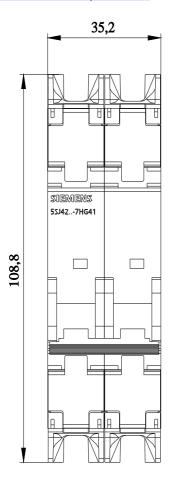
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

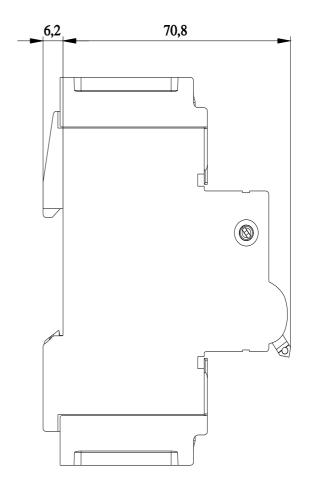
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4202-7HG41

**CAx-Online-Generator** 

http://www.siemens.com/cax

Tender specifications http://www.siemens.com/specifications





**7**