# **SIEMENS**

Data sheet 5SJ4202-7HG42

CIRCUIT BREAKER 10KA, 2POLE, C, 2A ACC. TO UL 489 - 480Y/277V



## Figure similar

General technical data				
Number of poles	2			
Number of poles / Note	2P			
Tripping characteristic class	C			
Installation environment regarding EMC	Suitable for environment B (immunity to interference not applicable)			
circuit-breaker / Design	5SJ4			
Mechanical service life (switching cycles) / typical	20 000			
Equipment marking / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750	F			
Overvoltage category	3			
Voltage				
Type of voltage	AC/DC			

Voltage					
Type of voltage		AC/DC			
Insulation voltage / at AC / Rated value	V	440			
Supply voltage					
Supply voltage / at AC / Rated value	V	400			
Supply voltage frequency / Rated value	Hz	50			

## 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	kA	10
• acc. to IEC 60947-2 / Rated value	kA	15
Dissipation		
Active power loss		
<ul> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	W	1.8
Electricity		
rated current In / IEC, DIN/VDE / at 40 Cel	Α	2
Current / at AC / Rated value	А	2
Main circuit		
Operating voltage		
• minimum	V	24
• at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum	V	277
<ul> <li>at DC / 1-channel / acc. to UL 489 and CSA</li> <li>C22.2 No. 5-02 / maximum</li> </ul>	V	60
<ul> <li>at DC / 2-channel / acc. to UL 489 and CSA</li> <li>C22.2 No. 5-02 / maximum</li> </ul>	V	125
• at DC / Rated value / maximum	V	60
Product details		
Product feature / Touch protection		Yes
Product component		
<ul> <li>Tunnel terminals top</li> </ul>		No
Tunnel terminals bottom		No
combined terminal top		Yes
combined terminal bottom		Yes
Product property		
• halogen-free		Yes
• sealable		Yes
• silicon-free		Yes
Product expansion / can be installed / supplementary devices		Yes
Product function		
Product function		
• Note		Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
• neutral conductor switching		No

Short circuit		
Breaking capacity short-circuit current (lcn) / at AC /	kA	10
acc. to UL 1077 and CSA C22.2 No.235		
Number		
Number of test cycles / for environmental testing /		6
acc. to IEC 60068-2-30		
Connections		
Connectable conductor cross-section / finely		
stranded / with core end processing		
• minimum	mm²	0.75
• maximum	mm²	25
Position / of power supply cord		Any
Mechanical Design		
Height	mm	121
Width	mm	36
Depth	mm	76
mounting position		any
Installation depth	mm	70
Number of width units		2
Mounting type		on standard mounting rail
Environmental conditions		
Degree of pollution		3
Influence of the surrounding temperature		max. 95% humidity
Vibration resistance		50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
Vibration resistance / acc. to IEC 60068-2-6		50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
Ambient temperature		
• minimum	°C	-25
• maximum	°C	55
during storage / minimum	°C	-40
• during storage / maximum	°C	75
Certificates		
Equipment marking		
• acc. to DIN EN 61346-2		F
• acc. to DIN EN 81346-2		F
General Product Approval		
	$\hat{\mathbf{w}}$	FMF
(CC) (VL)	D <sub>A</sub> E	rar Tar

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SJ42027HG42

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

http://support.automation.siemens.com/WW/view/en/5SJ42027HG42/all

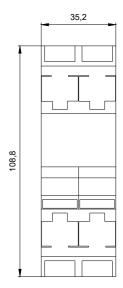
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ42027HG42">http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ42027HG42</a>

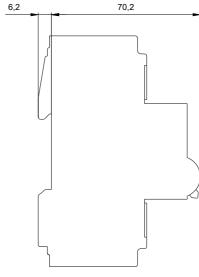
### **CAx-Online-Generator**

http://www.siemens.com/cax

## **Tender specifications**

http://ausschreibungstexte.siemens.com/tiplv





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