

CIRCUIT BREAKER 10KA, 3POLE, C, 20A ACC. TO UL 489 - 480Y/277V



Figure similar

General technical data		
Number of poles		3
Number of poles / Note		3P
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
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		

<b>Protection class IP</b>		IP20, with connected conductors, IP 40 in the handle range
<b>Switching capacity</b>		
<b>Switching capacity current</b>		
• acc. to EN 60898 / rated value	kA	10
• acc. to IEC 60947-2 / rated value	kA	15
<b>Dissipation</b>		
<b>Power loss [W]</b>		
• for rated value of the current / at AC / in hot operating state / per pole	W	2.2
<b>Electricity</b>		
rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel	A	20
Current / at AC / rated value	A	20
<b>Main circuit</b>		
<b>Operating voltage</b>		
• minimum	V	24
• at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum	V	277
• at DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum	V	60
• at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum	V	125
• at DC / rated value / maximum	V	60
<b>Product details</b>		
Product feature / Touch protection		Yes
<b>Product component</b>		
• Tunnel terminals top		No
• Tunnel terminals bottom		No
• combined terminal top		Yes
• combined terminal bottom		Yes
<b>Product feature</b>		
• halogen-free		Yes
• sealable		Yes
• silicon-free		Yes
Product extension / can be installed / supplementary devices		Yes
<b>Product function</b>		
<b>Product function</b>		
• Note		Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
• neutral conductor switching		No

## Short circuit

Breaking capacity short-circuit current (I <sub>cn</sub> ) / at AC / acc. to UL 1077 and CSA C22.2 No.235	kA	10
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## Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30		6
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## Connections

Connectable conductor cross-section / finely stranded / with core end processing		
• minimum	mm <sup>2</sup>	1.5
• maximum	mm <sup>2</sup>	25
Position / of power supply cord		Any

## Mechanical Design

Height	mm	121
Width	mm	54
Depth	mm	76
Mounting position		any
Installation depth	mm	70
Number of width units		3
Mounting type		on standard mounting rail

## Environmental conditions

Degree of pollution		3
Influence of the surrounding temperature		max. 95% humidity
Vibration resistance		50 m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec)
Vibration resistance / acc. to IEC 60068-2-6		50 m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> 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



## Further information

### 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/5SJ43207HG42>

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

<http://support.automation.siemens.com/WW/view/en/5SJ43207HG42/all>

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

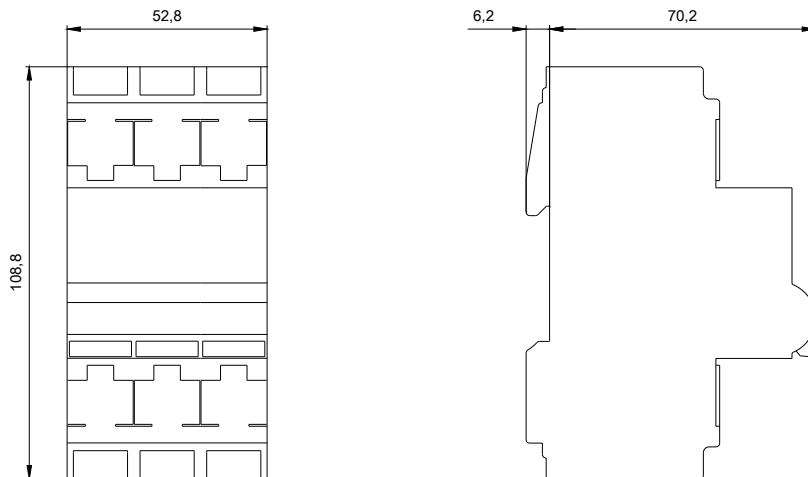
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=5SJ43207HG42](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SJ43207HG42)

### CAX-Online-Generator

<http://www.siemens.com/cax>

### Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



**last modified:**

12.03.2016