

CIRCUIT BREAKER 10KA, 1POLE, C, 2A ACC. TO UL 489 - 277V



Figure similar

General technical data		
Number of poles		1
Number of poles / Note		1P
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
Reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750		F
Overvoltage category		3
Voltage		
Insulation voltage / with AC		
• Rated value	V	440
Supply voltage		
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 style="list-style-type: none"> for rated value of the current / with AC / in hot operating state / per pole 	W	1.8
Electricity		
rated current I_n / IEC, DIN/VDE		
<ul style="list-style-type: none"> at 40 Cel 	A	2
Current / with AC		
<ul style="list-style-type: none"> Rated value 	A	2
Main circuit		
Operating voltage		
<ul style="list-style-type: none"> minimum 	V	24
<ul style="list-style-type: none"> with AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	V	277
<ul style="list-style-type: none"> for DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	V	60
<ul style="list-style-type: none"> for DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	V	125
<ul style="list-style-type: none"> for DC / Rated value / maximum 	V	60
Product details		
Product feature		
<ul style="list-style-type: none"> Touch protection 		Yes
Product component		
<ul style="list-style-type: none"> Tunnel terminals top 		No
<ul style="list-style-type: none"> Tunnel terminals bottom 		No
<ul style="list-style-type: none"> combined terminal top 		Yes
<ul style="list-style-type: none"> combined terminal bottom 		Yes
Product property		
<ul style="list-style-type: none"> halogen-free 		Yes
<ul style="list-style-type: none"> sealable 		Yes
<ul style="list-style-type: none"> silicon-free 		Yes
Product expansion / can be installed		
<ul style="list-style-type: none"> supplementary devices 		Yes
Product function		
Product function		
<ul style="list-style-type: none"> Note 		Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
<ul style="list-style-type: none"> neutral conductor switching 		No
Short circuit		
Breaking capacity short-circuit current (I_{cn}) / with AC		
<ul style="list-style-type: none"> acc. to UL 1077 and CSA C22.2 No.235 	kA	10

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 ²	0.75
	— maximum	mm ²	25
Position			
• of power supply cord		Any	

Mechanical Design

Height	mm	121
Width	mm	18
Depth	mm	76
mounting position		any
Installation depth	mm	70
Number of width units		1
Mounting type		on standard mounting rail

Environmental conditions

Influence of the surrounding temperature		max. 95% humidity
Vibration resistance		50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec)
Vibration resistance		50 m/s ² at 25 to 150Hz and 60m/s ² at 35Hz (4sec)
• acc. to IEC 60068-2-6		
Ambient temperature		
• minimum	°C	-25
• maximum	°C	55
• during storage / minimum	°C	-40
• during storage / maximum	°C	75

Certificates

Reference code		
• acc. to DIN EN 61346-2		F
• acc. to DIN EN 81346-2		F

General Product Approval



CCC



GOST



UL



VDE



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/5SJ41027HG42>

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

<http://support.automation.siemens.com/WW/view/en/5SJ41027HG42/all>

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

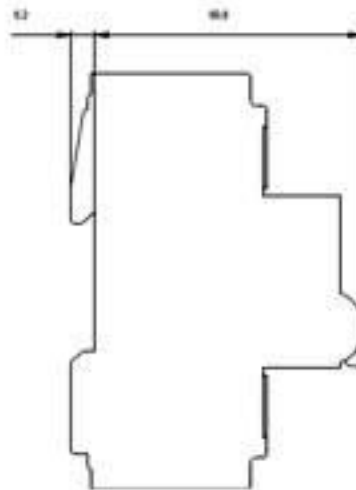
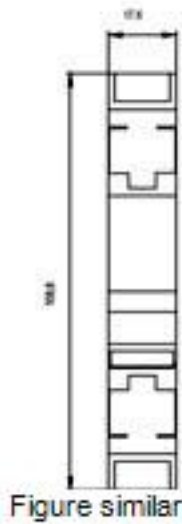
http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SJ41027HG42

CAX-Online-Generator

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

Tender specifications

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



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04.02.2015