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Show actual product details

Data sheet 5SJ4210-7HG42

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



Figure similar

Model	
product brandname	SENTRON

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
Insulation voltage / at AC / rated value	440 V

Supply voltage

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Supply voltage / at AC / rated value	400 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	
• acc. to EN 60898 / rated value	10 kA
• acc. to IEC 60947-2 / rated value	15 kA

Dissipation

Power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	1.4 W
• maximum	2.8 W

Electricity

rated current In / IEC, DIN/VDE / at 40 Cel	10 A
Current / at AC / rated value	10 A

Main circuit

Operating voltage	
• minimum	24 V
• at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum	277 V
• at DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum	60 V
• at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum	125 V
• at DC / rated value / maximum	60 V

Product details

Product feature / Touch protection	Yes
Product component	
• Tunnel terminals top	No
• Tunnel terminals bottom	No
• combined terminal top	Yes
• combined terminal bottom	Yes
Product feature	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes

Product function

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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 (Icn) / at AC / acc. to UL 1077 and CSA C22.2 No.235	10 kA

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

Connections	
Connectable conductor cross-section / finely stranded / with core end processing	
• minimum	1.5 mm²
• maximum	25 mm²
Position / of power supply cord	Any

Mechanical Design	
Height	121 mm
Width	36 mm
Depth	76 mm
Mounting position	any
Installation depth	70 mm
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	-25 °C
• maximum	55 °C
• during storage / minimum	-40 °C
• during storage / maximum	75 °C

Certificates	
Equipment marking	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

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General Product Approval	Declaration of Conformity

CCC UL VDE EG-Konf.

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/lowvoltage/catalogs

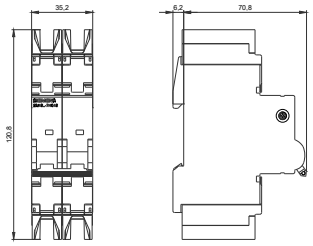
Industry Mall (Online ordering system)
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SJ4210-7HG42

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/5SJ4210-7HG42/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4210-7HG42

CAx-Online-Generator
http://www.siemens.com/cax

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



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