SIEMENS

Data sheet 5SJ4230-7HG42



Circuit breaker 10kA, 2-pole, C, 30 A according to UL 489-480Y/277V

Model			
	OFNITRON		
product brand name	SENTRON		
product designation	Miniature circuit breakers		
design of the product	Miniature circuit-breaker 5SJ4		
General technical data			
number of poles	2		
tripping characteristic class	_ C		
mechanical service life (switching cycles) / typical	10 000		
installation environment regarding EMC	Suitable for environment B (immunity to interference not applicable)		
reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750	F		
overvoltage category	3		
degree of pollution	3		
Voltage			
type of voltage / of the operating voltage	AC/DC		
insulation voltage / at AC / rated value	440 V		
Supply voltage			
supply voltage / at AC / rated value	400 V		
operating voltage			
 at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum 	277 V		
at DC / rated value / maximum	60 V		
 at DC / single 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		
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	3.4 W		
Current			
operational current			
• at 30 °C / rated value	30 A		

• at 40 °C / rated value	30 A		
at 45 °C / rated value	29.1 A		
at 50 °C / rated value	28.5 A		
at 55 °C / rated value	27.8 A		
at 60 °C / rated value	27 A		
at AC / rated value	30 A		
Main circuit			
type of voltage supply / at AC / acc. to UL 489 and CSA	480/277		
C22.2 No. 5-02			
suitability for operation	Mechanical engineering / ind	dustry	
Product details			
product function / neutral conductor switching	No		
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 / installable / supplementary devices	Yes		
Product function			
product function / note	Terminal tightening torque for	or Cu. 60/75°C: 3.5Nm/	/31lb.in
Short circuit	To the second se	, , , , , , , , , , , , , , , , , , , ,	
breaking capacity short-circuit current (Icn) / at AC / acc. to UL 1077 and CSA C22.2 No.235	10 kA		
Connections			
connectable conductor cross-section / finely stranded / with core end processing			
with core end processing	0.75 mm²		
with core end processing • minimum	0.75 mm ²		
with core end processing minimum maximum	25 mm²		
with core end processing • minimum • maximum tightening torque / with screw-type terminals / maximum	25 mm² 3.5 N·m		
with core end processing • minimum • maximum tightening torque / with screw-type terminals / maximum position / of power supply cord	25 mm²		
with core end processing	25 mm² 3.5 N·m Any		
with core end processing	25 mm² 3.5 N·m Any		
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm		
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm		
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm		
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm 70 mm		
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail		
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any		
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail		
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 340 g	00m/s2 st 0511. /4	
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any	60m/s² at 35Hz (4sec)	
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 340 g	60m/s² at 35Hz (4sec)	
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 340 g 50 m/s² at 25 to 150Hz and	60m/s² at 35Hz (4sec)	
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 340 g	60m/s² at 35Hz (4sec)	
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 340 g 50 m/s² at 25 to 150Hz and 55 °C -25 °C	60m/s² at 35Hz (4sec)	
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 340 g 50 m/s² at 25 to 150Hz and 55 °C -25 °C -40 °C	60m/s² at 35Hz (4sec)	
with core end processing	25 mm² 3.5 N·m Any 121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 340 g 50 m/s² at 25 to 150Hz and 55 °C -25 °C	60m/s² at 35Hz (4sec)	
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Special Test Certificate

other

Miscellaneous

Further information

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=5SJ4230-7HG42

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4230-7HG42

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

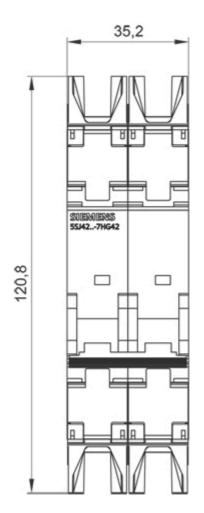
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4230-7HG42

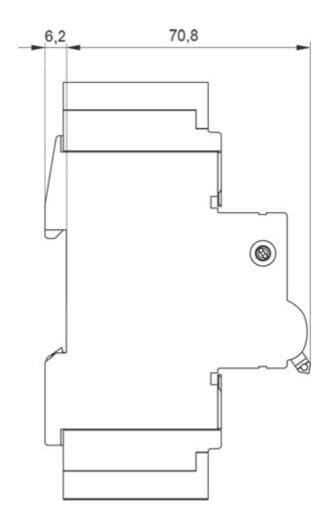
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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