SIEMENS

Data sheet

5SJ4305-7HG41



Miniature circuit breaker 240 V 14kA, 3-pole, C, 0.5A, D=70 mm according to UL 489 $\,$

Model						
product brand name	SENTRON					
product designation	Miniature circuit breakers					
design of the product	Miniature circuit-breaker 5SJ4					
General technical data						
number of poles	3					
design of pole	3P					
tripping characteristic class	C					
mechanical service life (operating cycles) typical	10 000					
installation environment regarding EMC	Suitable for environment B (immunity to interference not applicable)					
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750	F					
overvoltage category	3					
degree of pollution	3					
Voltage						
insulation voltage (Ui) at AC rated value	440 V					
Supply voltage						
supply voltage						
 at AC rated value 	400 V					
 at DC rated value 	60 V					
value range of the supply voltage frequency	50/60 Hz					
operating voltage						
 at AC according to UL 489 and CSA C22.2 No. 5-02 maximum 	240 V					
 at DC rated value maximum 	60 V					
 at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum 	60 V					
 at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 	125 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						
 according to EN 60898 rated value 	10 kA					
 according 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	1.2 W					
Current						
operational current						

 ambient temperature during storage minimum maximum General Product Approval	max. 95% humidity -40 °C 75 °C Declaration of Conformity
 minimum maximum 	-40 °C 75 °C
• minimum	-40 °C
ambient temperature during storage	
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 maximum ambient temperature during operation 	
• minimum	55 °C -25 °C
ambient temperature during operation	FE 10
vibration resistance according to IEC 60068-2-6	±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz
vibration resistance	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
Environmental conditions	
net weight	497 g
mounting position	any
fastening method	on standard mounting rail
installation depth number of modular width units	3
depth installation depth	70 mm 70 mm
width	54 mm
height	110 mm
Mechanical Design	
position of power supply cord	Any
tightening torque with screw-type terminals maximum	3.5 N·m
• maximum	25 mm ²
• minimum	0.75 mm ²
core end processing	
connectable conductor cross-section finely stranded with	
Connections	
short-circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235	14 kA
Short circuit	
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
Product function	
product extension installable supplementary devices	Yes
• silicon-free	Yes
• sealable	Yes
halogen-free	Yes
product feature	
 neutral conductor switching 	No
combined terminal bottom	Yes
combined terminal top	Yes
tunnel terminals bottom	No
tunnel terminals top	No
product component	
Product details	
CSA C22.2 No. 5-02 suitability for operation	Mechanical engineering / industry
type of voltage supply at AC according to UL 489 and	240
Main circuit	
• at AC rated value	0.5 A
• at 60 °C rated value	0.42 A
• at 55 °C rated value	0.44 A
• at 50 °C rated value	0.46 A
• at 45 °C rated value	0.5 A
• at 40 °C rated value	0.5 A
• at 30 °C rated value	0.5 A

Declaration of Conformity	Test Certificates		other		
UK CA	<u>Miscellaneous</u>	<u>Special Test Certific-</u> <u>ate</u>	<u>Miscellaneous</u>	<u>Environmental Con-</u> <u>firmations</u>	Confirmation

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=5SJ4305-7HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4305-7HG41

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

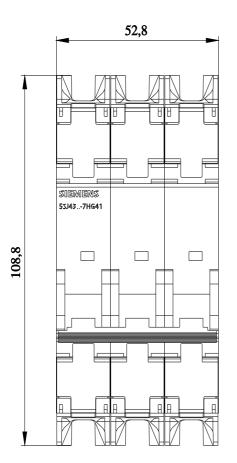
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4305-7HG41

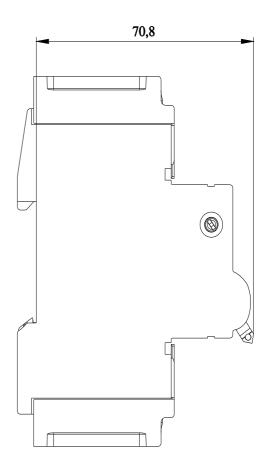
CAx-Online-Generator

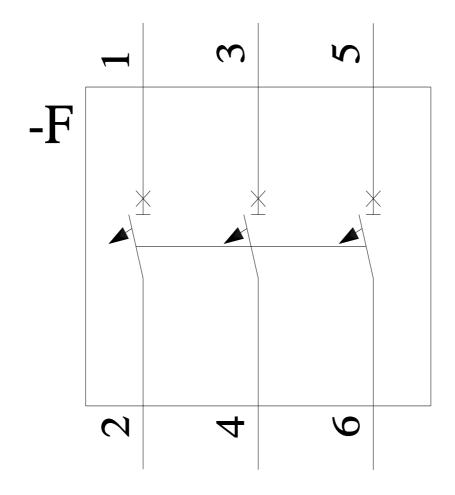
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







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