SIEMENS

Data sheet 5SJ4311-7HG41



Miniature circuit breaker 240 V 14kA, 3-pole, C, 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	2.9 W	
Current		
operational current		

 at 30 °C rated value 	5 A	
 at 40 °C rated value 	5 A	
 at 45 °C rated value 	4.9 A	
 at 50 °C rated value 	4.8 A	
 at 55 °C rated value 	4.6 A	
 at 60 °C rated value 	4.5 A	
at AC rated value	5 A	
Main circuit		
type of voltage supply at AC according to UL 489 and	240	
CSA C22.2 No. 5-02	240	
suitability for operation	Mechanical engineering / industry	
Product details	Wednamour engineering / industry	
product component		
tunnel terminals top	No	
 tunnel terminals bottom 	No	
 combined terminal top 	Yes	
 combined terminal bottom 	Yes	
 neutral conductor switching 	No	
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 Cu, 60/75°C; 3.5Nm/	31lh in
Short circuit	Terminal agricining torque for ou, 00/13 0, 0.51411/	5 TIB.III
short-circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235	14 kA	
Connections		
Connections connectable conductor cross-section finely stranded with		
connectable conductor cross-section finely stranded with	0.75 mm²	
connectable conductor cross-section finely stranded with core end processing	0.75 mm ² 25 mm ²	
connectable conductor cross-section finely stranded with core end processing • minimum		
connectable conductor cross-section finely stranded with core end processing • minimum • maximum	25 mm²	
connectable conductor cross-section finely stranded with core end processing	25 mm ² 3.5 N·m	
connectable conductor cross-section finely stranded with core end processing	25 mm² 3.5 N·m Any	
connectable conductor cross-section finely stranded with core end processing • minimum • maximum tightening torque with screw-type terminals maximum position of power supply cord Mechanical Design height	25 mm² 3.5 N·m Any	
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connectable conductor cross-section finely stranded with core end processing • minimum • maximum tightening torque with screw-type terminals maximum position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method	25 mm² 3.5 N·m Any 110 mm 54 mm 70 mm 70 mm 3 on standard mounting rail	
connectable conductor cross-section finely stranded with core end processing • minimum • maximum tightening torque with screw-type terminals maximum position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position	25 mm² 3.5 N·m Any 110 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any	
connectable conductor cross-section finely stranded with core end processing • minimum • maximum tightening torque with screw-type terminals maximum position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight	25 mm² 3.5 N·m Any 110 mm 54 mm 70 mm 70 mm 3 on standard mounting rail	
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Confirmation











Declaration of Conformity

Test Certificates other



Miscellaneous

Special Test Certificate

Environmental Confirmations

Confirmation

Miscellaneous

Further information

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=5SJ4311-7HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4311-7HG41

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

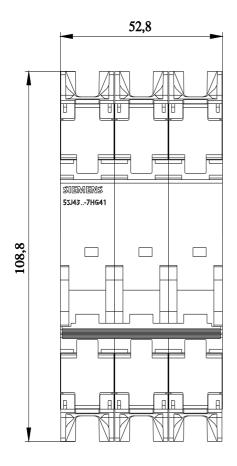
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4311-7HG41

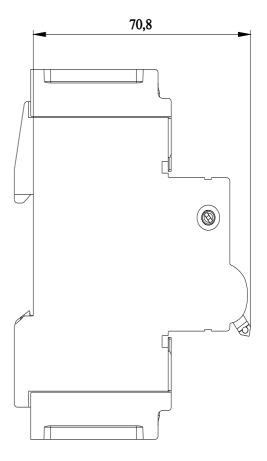
CAx-Online-Generator

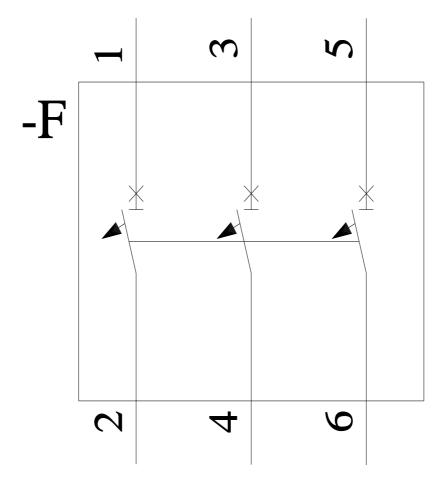
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







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