SIEMENS

Data sheet

5SJ4204-8HG41

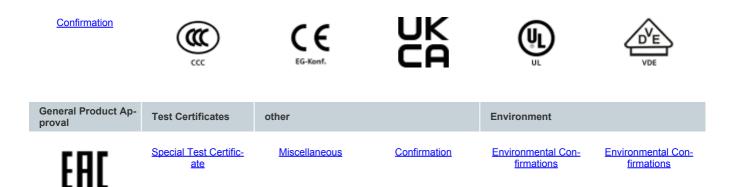


Miniature circuit breaker 240 V 14kA, 2-pole, D, 4A, D=70 mm according to UL 489

Figure similar

Model	
product brand name	SENTRON
product designation	Miniature circuit breakers
design of the product	Miniature circuit-breaker 5SJ4
General technical data	
number of poles	2
design of pole	2P
tripping characteristic class	D
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
operational current	
• at 30 °C rated value	4 A
• at 40 °C rated value	4 A
• at 50 °C rated value	3.8 A
• at 55 °C rated value	3.7 A
• at 60 °C rated value	3.6 A
 at AC rated value 	4 A
Supply voltage	
supply voltage	
• at AC	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 1-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
Breaking Capacity	

switching capacity current is according to FU 00000 radio value 0 Io A e. according to FU 00000 radio value 0 if to A e. according to FU 000000 radio value 0 if to A e. according to FU 00000 radio value 0 if to A e. according to FU 00000 radio value 0 if to A e. according to FU 00000 radio value 0 if to A e. according to FU 00000 radio value 0 if to A e. according to FU 00000 radio value 0 if to FU 00000 radio value 0 if to A e. according to FU 00000 radio value 0 if to A e. according to FU 00000 radio value 0 if to A e. according to FU 00000 radio value 0 if to A e. according to FU 000000 radio value 0 if to A e. according to FU 0000		_
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power loss (M) for rated value of the current at AC in hot operating steep ropic 1.6 W Value of cruat general states probe at AC according to UL 489 and CSA 240 State of cruat general states probe at AC according to UL 489 and CSA 240 State of the operation Infrastructure / Industry Product details Infrastructure / Industry product component No • turnel terminals top Yes • combined terminal top Yes • combined terminal bottom Yes • combined terminal bottom Yes • combined terminal bottom Yes • setable Yes • setable Yes • setable Yes • setable Yes Product feature Yes • setable Yes Product function Terminal lightening torque for Cu. 6075°C; 3.5Nm/31b.in Short -forcut Terminal lightening torque for Cu. 6075°C; 3.5Nm/31b.in Sontactions Connectable conductor cross-section finely stranded with core end probesing • ruinimum 0.75 mm² • ruinimum 0.75 mm² •	 according to IEC 60947-2 rated value 	15 kA
operating static per pole Prode of voltage supply at AC according to UL 489 and CSA 240 Size 24 No. 50-02 sublishilly for operation Infrastructure / Industry Product details product component Infrastructure / Industry • turnel terminals top No Infrastructure / Industry • turnel terminals top No Infrastructure / Industry • combined terminal top Yes Infrastructure / Industry • combined terminal top Yes Infrastructure / Industry • combined terminal top Yes Indigot / I	Dissipation	
type of voltage surply at AC according to UL 489 and CSA 240 Subability for operation Infrastructure / Industry product details Infrastructure / Industry product component No • turnel terminals top No • combined terminal top Yes • combined terminal tootom Yes • control terminal tootom Yes • control terminal tootom Yes • control terminal tootom Yes • analytic for optication Yes • solitopic free Yes • solitopic free Yes • product chasion Yes • solitopic free Yes • product chasion Terminal teghtening torque for Cus, 6075°C; 3.5Nm/31b.in Short choruit Terminal teghtening torque for Cus, 6075°C; 3.5Nm/31b.in Short choruit current breaking capacity (icn) at AC according to 14 kA Connectable Connectable Connectable Conscitute Connectable Conscitute Connectable Conscitute Connectable Conscitute Connec		1.6 W
cbzz No. 552 ************************************	Main circuit	
2roduct component • • turnel terminals top No • turnel terminals top Yes • combined terminal bottom Yes • combined terminal bottom Yes • combined terminal bottom Yes • neutral conductor switching No product feature Yes • halogen-free Yes • saliable Yes product extension installable supplementary devices Yes Product extension note Terminal tightening torque for Cu, 6075°C; 3.5Nm/31b.in Short circuit current breaking capacity (Icn) at AC according to UL 107° and CSA C22 z No 235 Connectable conductor cross-section finely stranded with core end processing • mainhum 0.75 mm ³ 14 kA UL 107° and CSA C22 z No 235 Connectable conductor cross-section finely stranded with core end processing		240
2roduct component • • turnel terminals top No • turnel terminals top Yes • combined terminal bottom Yes • combined terminal bottom Yes • combined terminal bottom Yes • neutral conductor switching No product feature Yes • halogen-free Yes • saliable Yes product extension installable supplementary devices Yes Product extension note Terminal tightening torque for Cu, 6075°C; 3.5Nm/31b.in Short circuit current breaking capacity (Icn) at AC according to UL 107° and CSA C22 z No 235 Connectable conductor cross-section finely stranded with core end processing • mainhum 0.75 mm ³ 14 kA UL 107° and CSA C22 z No 235 Connectable conductor cross-section finely stranded with core end processing	suitability for operation	Infrastructure / Industry
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• neutral conductor switching No product feature Ves • salabble Yes • product extension installable supplementary devices Yes Product function Yes reference values setting current (II) for I-tripping 14 reference values setting current (II) for I-tripping x In product function note Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in Short-circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22 No 235 Yes Connectable conductor cross-section finely stranded with core end processing Jes mm² • mainimum 0.75 mm² Any • mainimum 3.5 N·m Any belight 100 mm Sind Gengen width 36 mm² Sind Gengen width 36 mm² Sind Gengen installation depth 70 mm To mm² number of modular width units 2 Sindard gestering meth	 combined terminal top 	Yes
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• halogen-free Yes • sellable Yes • sellable Yes product extension installable supplementary devices Yes Product function Yes set values setting current (II) for I-tripping x In product function note Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in Short circuit function note Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in Short circuit function note Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in Short circuit function note Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in Short circuit function note Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in Short circuit function note Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31b.in Connectable conductor ross-section finely stranded with core end processing 14 kA Connectable conductor ross-section finely stranded with core end processing 5.5Nm • maximum 0.75 mm² 10 mm² ingithening torque with screw-type terminals maximum 3.5 Nm 10 mm position of power supply cord Any Mechanical Dosign 10 mm width 36 mm 36 mm	 neutral conductor switching 	No
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product extension installable supplementary devices Yes Product function ************************************	• sealable	Yes
Product function 14 set values setting current (ii) for 1-tripping x In reference value setting current (ii) for 1-tripping x In product function note Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in Short circuit short-circuit current breaking capacity (Icn) at AC according to 14 kA Connections 14 kA 14 kA connectable conductor cross-section finely stranded with core end processing 0.75 mm² installation depth screw-type terminals maximum 3.5 N-m position of power supply cord Any Mechanical Design 110 mm width 36 mm depth 70 mm installation depth 70 mm number of modular width units 2 fastening method <	silicon-free	Yes
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ambient temperature during storage -40 °C • maximum 75 °C		
• minimum -40 °C • maximum 75 °C		max. 95% humidity
• maximum 75 °C		
Approvals Certificates		75 °C
	Approvals Certificates	



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=5SJ4204-8HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4204-8HG41

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

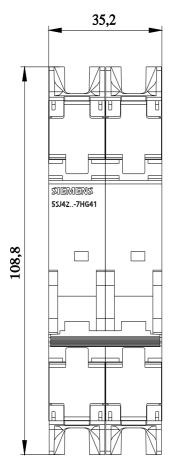
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4204-8HG41

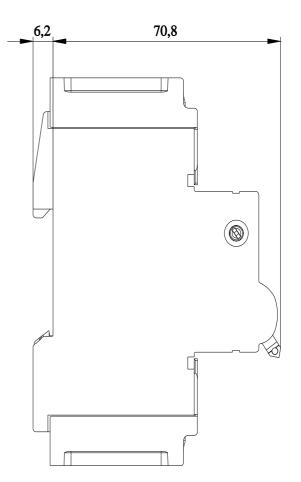
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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