SIEMENS

Data sheet 5SJ4206-8HG41



Miniature circuit breaker 240 V 14kA, 2-pole, D, 6 A, D=70 mm according to UL 489

Figure similar

product brand name product designation product designation design of the product Miniature circuit breakers design of the product Miniature circuit-breaker SS,14 General tochnical data number of poles 2 design of pole 2P tripping characteristic class D mechanical service life (operating cycles) typical 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 EC 750 overvoltage category 3 degree of pollution 3 Voltage insulation voltage (UI) at AC rated value 440 V operational current 4 at 30 °C rated value 5 A A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5	Model	
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Ceneral technical data	product designation	Miniature circuit breakers
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at AC rated value Supply voltage supply voltage at AC at DC rated value value range of the supply voltage frequency operating voltage at AC according to UL 489 and CSA C22.2 No. 5-02 maximum at DC rated value maximum at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum aut DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum to the total case to the total cas	 at 55 °C rated value 	5.6 A
Supply voltage supply voltage at AC at DC rated value value range of the supply voltage frequency operating voltage at AC according to UL 489 and CSA C22.2 No. 5-02 maximum at DC rated value maximum at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 125 V 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 125 V 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 125 V 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 125 V 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 125 V 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 125 V 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 125 V 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 125 V	 at 60 °C rated value 	5.4 A
supply voltage • at AC • at DC rated value value range of the supply voltage frequency operating voltage • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC rated value maximum • at DC rated value maximum • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value 50 Hz Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range	at AC rated value	6 A
at AC 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 at DC rated value maximum at DC rated value maximum at DC rated value maximum at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range	Supply voltage	
 ◆ at DC rated value √ value range of the supply voltage frequency √ 50/60 Hz 50/60 Hz operating voltage ◆ at AC according to UL 489 and CSA C22.2 No. 5-02 maximum ◆ at DC rated value maximum ◆ at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum ◆ at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum ◆ at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value Frotection class protection class IP IP20, with connected conductors, IP 40 in the handle range 	supply voltage	
value range of the supply voltage frequency operating voltage • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC rated value maximum • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range	• at AC	400 V
operating voltage • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC rated value maximum • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range	at DC rated value	60 V
at AC according to UL 489 and CSA C22.2 No. 5-02 maximum at DC rated value maximum at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value 50 Hz Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range	value range of the supply voltage frequency	50/60 Hz
maximum • at DC rated value maximum • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range	operating voltage	
at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range		240 V
5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value 50 Hz Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range	 at DC rated value maximum 	60 V
5-02 maximum supply voltage frequency rated value 50 Hz Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range		60 V
Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range	•	125 V
protection class IP IP20, with connected conductors, IP 40 in the handle range	supply voltage frequency rated value	50 Hz
	Protection class	
Breaking Capacity	protection class IP	IP20, with connected conductors, IP 40 in the handle range
	Breaking 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	2.7 W
Main circuit	
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	240
suitability for operation	Infrastructure / Industry
Product details	
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	103
	14
set values setting current (Ii) for I-tripping	
reference value setting current (Ii) for I-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 UL 1077 and CSA C22.2 No.235	14 kA
Connections	
connectable conductor cross-section finely stranded with core end processing	
• minimum	0.75 mm ²
maximum	25 mm ²
tightening torque with screw-type terminals maximum	3.5 N·m
position of power supply cord	Any
Mechanical Design	
height	110 mm
width	36 mm
depth	70 mm
installation depth	70 mm
number of modular width units	2
fastening method	on standard mounting rail
mounting position	any
net weight	327 g
Environmental conditions	
standard	IEC / EN 60947-2 / UL 489
vibration resistance	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
vibration resistance according to IEC 60068-2-6	±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz
ambient temperature during operation	21 11111 00 0 20 112, 00 11110 00 20 10 100 112
minimum	55 °C
maximum ambient temperature during energtion	-25 °C
ambient temperature during operation	max. 95% humidity
ambient temperature during storage	40.00
• minimum	-40 °C
maximum	75 °C
Further information	
Information on the nackaging	

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=5SJ4206-8HG41

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

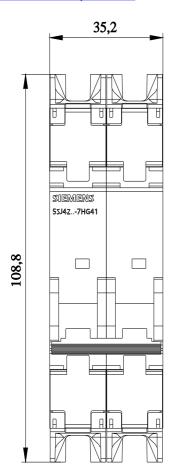
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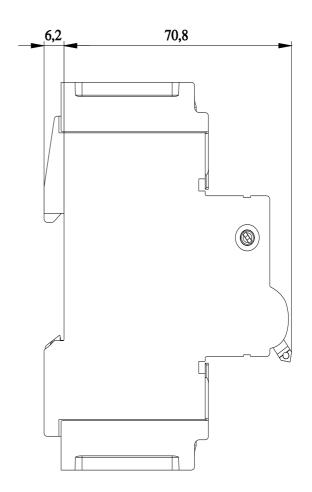
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CAx-Online-Generator http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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