SIEMENS

Data sheet 5SJ4206-7HG41

CIRCUIT BREAKER 240V 14KA, 2-POLE, C, 6A, D=70MM ACC. TO UL 489



Figure similar

Model				
product brandname		SENTRON		
General technical data				
Number of poles		2		
Number of poles / Note		2P		
Tripping characteristic class		С		
Installation environment regarding EMC		Suitable for environment B (immunity to interference not applicable)		
circuit-breaker / Design		5SJ4		
Mechanical service life (switching cycles) / typical		20 000		
Equipment marking / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750		F		
Overvoltage category		3		
Voltage				
Type of voltage		AC/DC		
Insulation voltage / at AC / rated value	V	440		
Supply voltage				

Supply voltage frequency / rated value Hz 50 Protection class Protection class IP IP20, with connected conductors, IP 40 in the handle range	Supply voltage / at AC / rated value	V	400
Protection class Protection class IP Protection class IP Protection class IP Switching capacity Switching capacity Switching capacity current • acc. to EN 60898 / rated value • acc. to EN 60898 / rated value • acc. to IEC 60947-2 / rated value **A 10 **Bosipation **Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • maximum **W 5 **Electricity rated current in / IEC, DIN/VDE / at 40 Cel • maximum **Derating voltage • minimum • at AC / acc. to UL 489 and CSA C22.2 No. 5-02 V 240 / maximum • at DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 V 240 / maximum • at DC / 2-channel / acc. to UL 489 and CSA V 60 C22.2 No. 5-02 / maximum • at DC / rated value / maximum • at DC / rat		Hz	
Protection class IP			
Switching capacity Switching capacity current • acc. to EN 60989 / rated value			
Switching capacity current • acc. to EN 60898 / rated value • acc. to IEC 60947-2 / rated value • acc. to IEC 60947-2 / rated value • acc. to IEC 60947-2 / rated value • A 15 Dissipation Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • maximum W 5 Electricity rated current In / IEC, DINVDE / at 40 Cel A 6 Current / at AC / rated value A 6 Main circuit Operating voltage • minimum • at AC / acc. to UL 489 and CSA C22.2 No. 5-02 V 240 / maximum • at DC / 1-channel / acc. to UL 489 and CSA V 60 C22.2 No. 5-02 / maximum • at DC / 2-channel / acc. to UL 489 and CSA V 125 C22.2 No. 5-02 / maximum • at DC / rated value / maximum • at DC / rated value / maximum • at DC / rated value / maximum • at DC /	Protection class IP		
	Switching capacity		
acc. to IEC 60947-2 / rated value A	Switching capacity current		
Dissipation Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • maximum W 5 Electricity rated current In / IEC, DINN/DE / at 40 Cel A 6 Current / at AC / rated value A 6 Main circuit Operating voltage • minimum • at AC / acc. to UL 489 and CSA C22.2 No. 5-02 V 240 / / maximum • at DC / 1-channel / acc. to UL 489 and CSA V 60 C22.2 No. 5-02 / maximum • at DC / 2-channel / acc. to UL 489 and CSA V 125 C22.2 No. 5-02 / maximum • at DC / rated value / maximum • at DC / rated value / maximum • at DC / rated value / maximum • at DC / rated value / maximum • at DC / rated value / maximum • at DC / rated value / maximum • at DC / rated value / maximum • trunnel terminals top • Tunnel terminals bottom • combined terminal top • combined terminal top • combined terminal bottom Product feature • halogen-free • sealable • silicon-free Product extension / can be installed / supplementary Yes	• acc. to EN 60898 / rated value	kA	10
Power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • maximum W 5 Electricity rated current In / IEC, DIN/VDE / at 40 Cel A 6 Current / at AC / rated value A 6 Main circuit Operating voltage • minimum • at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / rated value / rated v	• acc. to IEC 60947-2 / rated value	kA	15
for rated value of the current / at AC / in hot operating state / per pole maximum W 5 Electricity rated current In / IEC, DIN/VDE / at 40 Cel A 6 Current / at AC / rated value A 6 Main circuit Operating voltage minimum at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum at DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum at DC / rated value / maximum at DC / rated value / maximum v 60 Product details Product details Product centure / Touch protection Product component Tunnel terminals top Tunnel terminal top combined terminal top combined terminal top combined terminal bottom Product feature halogen-free sealable silicon-free Product extension / can be installed / supplementary Yes Product extension / can be installed / supplementary Yes	<u>`</u>		
operating state / per pole maximum W 5 Electricity rated current In / IEC, DIN/VDE / at 40 Cel	Power loss [W]		
Flectricity		W	2.7
Tated current In / IEC, DIN/VDE / at 40 Cel	• maximum	W	5
Main circuit Operating voltage • minimum • at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / rated value / maximum • at DC / rated value / maximum • Tought details Product details Product component • Tunnel terminals top • Tunnel terminals bottom • Combined terminal top • combined terminal bottom Product feature • halogen-free • halogen-free • sealable • silicon-free Product extension / can be installed / supplementary • Yes Product extension / can be installed / supplementary • Yes	Electricity		
Main circuit Operating voltage • minimum • at AC / acc. to UL 489 and CSA C22.2 No. 5-02	rated current In / IEC, DIN/VDE / at 40 Cel	Α	6
Operating voltage • minimum • at AC / acc. to UL 489 and CSA C22.2 No. 5-02	Current / at AC / rated value	Α	6
minimum at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum at DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum at DC / rated value / maximum at DC / rated value / maximum v 60 Product details Product details Product component • Tunnel terminals top • Tunnel terminals bottom • combined terminal top • combined terminal bottom Product feature • halogen-free • sealable • silicon-free Product extension / can be installed / supplementary Product extension / can be installed / supplementary V 24 240 240 240 240 240 240 240	Main circuit		
at AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum at DC / 1-channel / acc. to UL 489 and CSA	Operating voltage		
/ maximum • at DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / rated value / maximum • at DC / rated value / maximum V 60 Product details Product details Product component • Tunnel terminals top • Tunnel terminals bottom • combined terminal top • combined terminal bottom Product feature • halogen-free • halogen-free • sealable • silicon-free Product extension / can be installed / supplementary Y 60 V 25 V 60 125 V 60 No Ves Yes Yes Yes Yes Product component V 98 Yes Yes Yes Product extension / can be installed / supplementary Yes	• minimum	V	24
C22.2 No. 5-02 / maximum • at DC / 2-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum • at DC / rated value / maximum • at DC / rated value / maximum V 60 Product details Product component • Tunnel terminals top • Tunnel terminals bottom • combined terminal top • combined terminal bottom Product feature • halogen-free • sealable • sealable • silicon-free Product extension / can be installed / supplementary V 125 V 60 125 No 125 V 12		V	240
C22.2 No. 5-02 / maximum at DC / rated value / maximum V 60 Product details Product feature / Touch protection Product component Tunnel terminals top Tunnel terminals bottom combined terminal top combined terminal bottom Product feature halogen-free sealable silicon-free Product extension / can be installed / supplementary V 60 Yes Yes Yes Froduct cature Yes Yes Yes Yes		V	60
Product details Product component • Tunnel terminals top • Tunnel terminals bottom • combined terminal top • combined terminal bottom Product feature • halogen-free • sealable • silicon-free Product extension / can be installed / supplementary Yes Yes Yes Yes Yes Yes Yes Ye		V	125
Product component Tunnel terminals top Tunnel terminals bottom combined terminal top combined terminal bottom Product feature halogen-free sealable silicon-free Product extension / can be installed / supplementary Yes No No Yes Yes Yes Yes Yes Yes Yes Ye	• at DC / rated value / maximum	V	60
Product component • Tunnel terminals top • Tunnel terminals bottom • combined terminal top • combined terminal bottom Product feature • halogen-free • sealable • silicon-free Product extension / can be installed / supplementary No No Yes Yes Yes Yes Yes Yes Yes Ye	Product details		
 Tunnel terminals top Tunnel terminals bottom combined terminal top combined terminal bottom Product feature halogen-free sealable silicon-free Product extension / can be installed / supplementary 	Product feature / Touch protection		Yes
 Tunnel terminals bottom combined terminal top combined terminal bottom Product feature halogen-free sealable silicon-free Product extension / can be installed / supplementary 	Product component		
 combined terminal top combined terminal bottom Product feature halogen-free sealable silicon-free Product extension / can be installed / supplementary 	 Tunnel terminals top 		No
combined terminal bottom Product feature	 Tunnel terminals bottom 		No
● combined terminal bottom Yes Product feature Yes ● halogen-free Yes ● sealable Yes ● silicon-free Yes Product extension / can be installed / supplementary Yes	combined terminal top		Yes
 halogen-free sealable silicon-free Product extension / can be installed / supplementary Yes Yes Yes 			Yes
● sealable ● silicon-free Product extension / can be installed / supplementary Yes Yes Yes	Product feature		
 sealable silicon-free Product extension / can be installed / supplementary Yes Yes 	halogen-free		Yes
• silicon-free Product extension / can be installed / supplementary Yes Yes			Yes
Product extension / can be installed / supplementary Yes			Yes
			Yes

Product function		
Product function		
• Note		Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
• neutral conductor switching		No
Short circuit		
Breaking capacity short-circuit current (Icn) / at AC / acc. to UL 1077 and CSA C22.2 No.235	kA	14
Number		
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30		6
Connections		
Connectable conductor cross-section / finely stranded / with core end processing		
• minimum	mm²	1.5
• maximum	mm²	25
Position / of power supply cord		Any
Mechanical Design		
Height	mm	90
Width	mm	36
Depth	mm	70
Mounting position		any
Installation depth	mm	70
Number of width units		2
Mounting type		on standard mounting rail
Environmental conditions		
Degree of pollution		3
Influence of the surrounding temperature		max. 95% humidity
Vibration resistance		50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
Vibration resistance / acc. to IEC 60068-2-6		50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
Ambient temperature		
• minimum	°C	-25
• maximum	°C	55
during storage / minimum	°C	-40
during storage / maximum	°C	75
Certificates		
Equipment marking		
• acc. to DIN EN 61346-2		F
• acc. to DIN EN 81346-2		F

General Product Approval

Declaration of Conformity

Test

Certificates











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Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SJ4206-7HG41

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

http://support.automation.siemens.com/WW/view/en/5SJ4206-7HG41/all

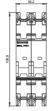
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4206-7HG41

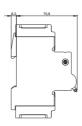
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv





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