## **SIEMENS**

Data sheet 5SJ4211-8HG42



Circuit breaker 10kA, 2-pole, D, 5 A according to UL 489-480Y/277V

Figure similar

product designation design of the product Miniature circuit breakers design of the product Miniature drout breakers design of the product Miniature drout-breaker SSJ4  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 EC 204-2 according to DIN 40719 extended according to EC 204-2 according to DIN 40719 extended according to EC 204-2 according to DIN 40719 extended according to Voltage (U) at AC rated value 440 V operational current 5A 40 °C rated value 5A 40 °C rated value 5A 40 °C rated value 4.8 A 4	Model	
design of the product  Ceneral technical data number of poles  design of pole  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 IEC 750  overvoltage category  3  degree of pollution  3  Voltage  insulation voltage (Ui) at AC rated value  440 V  operational current  1 at 30 °C rated value  2 t 48 A  3 at 40 °C rated value  4 t 5 A  4 t 50 °C rated value  4 t 6 A  4 t 60 °C rated value  5 A  4 t 60 °C rated value  5 A  5 A  5 A  5 A  5 A  5 A  5 A  5	product brand name	SENTRON
Ceneral technical data  number of poles design of pole tripping characteristic class D mechanical service life (operating cycles) lypical installation environment regarding EMC reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 overvoltage category 3 degree of pollution 3  Voltage insulation voltage (Ui) at AC rated value 440 V operational current  • at 30 °C rated value • at 40 °C rated value • at 45 °C rated value • at 60 °C rated value • at AC according to UI. 489 and CSA C22.2 No. 5-02 maximum  supply voltage • at DC raten according to UI. 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value • at DC 2 -channel according to UI. 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value • at DC 2 -channel according to UI. 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value • at DC 2 -channel according to UI. 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value • at DC 3 -channel according to UI. 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value • at DC 3 -channel according to UI. 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value • at DC 3 -channel according to UI. 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value • at DC 7 -channel according to UI. 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value • at DC 7 -channel according to UI. 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value  protection class  protection class	product designation	Miniature circuit breakers
Description   Company	design of the product	Miniature circuit-breaker 5SJ4
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  overvoltage category 3 degree of pollution 3  Voltage insulation voltage (UI) at AC rated value 440 V  operational current	General technical data	
tripping characteristic class mechanical service life (operating cycles) typical installation environment regarding EMC reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750  overvoltage category 3 degree of pollution 3  Voltage insulation voltage (Ui) at AC rated value 440 V  operational current • at 30 °C rated value • at 40 °C rated value • at 55 °C rated value • at 60 °C rated value • at AC according to UL 489 and CSA C22.2 No. 5002 maximum • at DC 1-channel according to UL 489 and CSA C22.2 No. 502 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 502 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 502 maximum supply voltage frequency rated value • 50 Hz  Protection class IP	number of poles	2
mechanical service life (operating cycles) typical  installation environment regarding EMC  reference code according to DIN 40719 extended according to EC 204-2 according to IEC 750  overvoltage category  degree of pollution  3  Voltage  insulation voltage (Ui) at AC rated value  • at 30 °C rated value  • at 50 °C rated value  • at 50 °C rated value  • at 50 °C rated value  • at 60 °C rated value  • at 60 °C rated value  • at AC cated value  • at AC cated value  • at AC rated value  • at AC Cated value  • at CD Cated value maximum  • at DC Cated value value  • at AC value value value  • at AC	design of pole	2P
installation environment regarding EMC reference code according to DIN 40719 extended according to IEC 2042 according to IEC 2042 according to IEC 2042 according to IEC 750  overvoltage category 3 degree of pollution 3  Voltage insulation voltage (Ui) at AC rated value 440 V  operational current  • at 30 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 60 °C rated value • at AC according to UL 489 and CSA C22.2 No. 5-02 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. 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 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at	tripping characteristic class	D
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 overvoltage category degree of pollution 3  Voltage insulation voltage (UI) at AC rated value operational current • at 30 °C rated value • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 60 °C rated value • at AC rated value • at AC rated value • at AC rated value • at C value • at DC rated value 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 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 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 protection class IP	mechanical service life (operating cycles) typical	10 000
to IEC 204-2 according to IEC 750  overvoltage category 3 degree of pollution 3  Voltage  insulation voltage (Ui) at AC rated value 440 V operational current  • at 30 °C rated value 5 A • at 40 °C rated value 5 A • at 55 °C rated value 4.6 A • at 50 °C rated value 4.6 A • at 60 °C rated value 5 A  supply voltage  supply voltage  • at AC rated value 5 A  Supply voltage  • at AC rated value 5 A  supply voltage  • at AC 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 ratenial 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. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum to the thin the thin the handle range	installation environment regarding EMC	Suitable for environment B (immunity to interference not applicable)
degree of pollution  Voltage  insulation voltage (Ui) at AC rated value  operational current  • at 30 °C rated value  • at 40 °C rated value  • at 50 °C rated value  • at 50 °C rated value  • at 60 °C rated value  • at 60 °C rated value  • at AC rated value  • at AC rated value  • at AC  • at AC rated value  • at AC  • at DC rated value  • at AC  • at DC rated value  • at AC cared value  • 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 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. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum the thinteen		F
insulation voltage (Ui) at AC rated value  operational current  • at 30 °C rated value  • at 40 °C rated value  • at 50 °C rated value  • at 60 °C rated value  • at 60 °C rated value  • at AC  • at DC rated value  • at AC  • at DC rated value  • at AC 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. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-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 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum to the transfer of	overvoltage category	3
insulation voltage (Ui) at AC rated value  operational current  • at 30 °C rated value • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value • at AC rated value • at AC rated value  • at AC rated value  • at AC rated value  • at AC rated value • at AC • at DC rated value  • at AC according to UL 489 and CSA C22.2 No. 5-02 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 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum to the transpart to	degree of pollution	3
operational current  • at 30 °C rated value • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at AC over the supply voltage • at AC • at DC rated value • at DC rated value • at DC rated value • at Caccording 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. 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 3-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 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum	Voltage	
<ul> <li>at 30 °C rated value</li> <li>at 40 °C rated value</li> <li>5 A</li> <li>at 50 °C rated value</li> <li>4.8 A</li> <li>at 55 °C rated value</li> <li>4.6 A</li> <li>at 60 °C rated value</li> <li>4.5 A</li> <li>at AC rated value</li> <li>5 A</li> </ul> Supply voltage <ul> <li>at AC</li> <li>at AC</li> <li>at DC rated value</li> <li>50/60 Hz</li> </ul> value range of the supply voltage frequency <ul> <li>operating voltage</li> <li>at AC according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC rated value maximum</li> <li>at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul>	insulation voltage (Ui) at AC rated value	440 V
<ul> <li>at 40 °C rated value</li> <li>at 50 °C rated value</li> <li>4.8 A</li> <li>at 55 °C rated value</li> <li>4.6 A</li> <li>at 60 °C rated value</li> <li>5 A</li> </ul> at AC rated value <ul> <li>5 A</li> </ul> Supply voltage <ul> <li>at AC</li> <li>at DC rated value</li> <li>60 V</li> </ul> value range of the supply voltage frequency <ul> <li>operating voltage</li> <li>at AC according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC rated value maximum</li> <li>at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul> supply voltage frequency rated value <ul> <li>by Utage frequency rated value</li> <li>by Hz</li> </ul> Protection class IP <ul> <li>IP20, with connected conductors, IP 40 in the handle range</li> </ul>	operational current	
at 50 °C rated value at 55 °C rated value 4.6 A at 60 °C rated value 5 A  Supply voltage  supply voltage  at AC at C rated value 5 A  400 V at DC rated value 60 V  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 60 V 5-02 maximum 10 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 5-02 maximum 5-03 maximum 125 V 5-04 maximum  supply voltage frequency rated value 50 Hz  Protection class  protection class IP 1P20, with connected conductors, IP 40 in the handle range	<ul> <li>at 30 °C rated value</li> </ul>	5 A
at 55 °C rated value at 60 °C rated value bat AC rated value 5 A  Supply voltage supply voltage  at AC at DC rated value 60 V  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 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 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum to the thin the handle range	<ul> <li>at 40 °C rated value</li> </ul>	5 A
• at 60 °C rated value     • at AC rated value     5 A  Supply voltage  supply voltage      • at AC     • at DC rated value     60 V  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      • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum      • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum      • at DC 4-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	<ul> <li>at 50 °C rated value</li> </ul>	4.8 A
at AC rated value  supply voltage  at AC  at DC rated value  60 V  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  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	<ul> <li>at 55 °C rated value</li> </ul>	4.6 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 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. 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 3-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 3-channel according to UL 489 and CSA C22.2 No. 125 V	<ul> <li>at 60 °C rated value</li> </ul>	4.5 A
supply voltage  • 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 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	5 A
at AC  at DC rated value  60 V  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 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 3-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     solvering voltage frequency     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  Protection 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  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
<ul> <li>at AC according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC rated value maximum</li> <li>at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>supply voltage frequency rated value</li> <li>Protection class</li> <li>protection class IP</li> <li>277 V</li> <li>60 V</li> <li>125 V</li> <li>50 Hz</li> </ul>	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		277 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	
<ul> <li>according to EN 60898 rated value</li> </ul>	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	2.5 W
operating state per pole	
Main circuit	400/077
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	480/277
suitability for operation	Infrastructure / Industry
Product details	
product feature touch protection	Yes
product component	
<ul> <li>tunnel terminals top</li> </ul>	No
<ul> <li>tunnel terminals bottom</li> </ul>	No
<ul> <li>combined terminal top</li> </ul>	Yes
<ul> <li>combined terminal bottom</li> </ul>	Yes
<ul> <li>neutral conductor switching</li> </ul>	No
product feature	
halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
product extension installable supplementary devices	Yes
Product function	
set values setting current (li) for I-tripping	16
reference value setting current (li) 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	10 kA
Connections	
connectable conductor cross-section finely stranded with core end processing	
COLE CITA DI OCCSSITIA	
minimum	0.75 mm <sup>2</sup>
	0.75 mm <sup>2</sup> 25 mm <sup>2</sup>
minimum     maximum	
minimum     maximum  tightening torque with screw-type terminals maximum	25 mm² 3.5 N·m
minimum     maximum  tightening torque with screw-type terminals maximum position of power supply cord	25 mm²
minimum     maximum  tightening torque with screw-type terminals maximum position of power supply cord  Mechanical Design	25 mm <sup>2</sup> 3.5 N·m Any
minimum     maximum     tightening torque with screw-type terminals maximum     position of power supply cord     Mechanical Design     height	25 mm <sup>2</sup> 3.5 N·m Any
minimum     maximum  tightening torque with screw-type terminals maximum position of power supply cord  Mechanical Design height width	25 mm <sup>2</sup> 3.5 N·m Any
minimum     maximum     tightening torque with screw-type terminals maximum     position of power supply cord     Mechanical Design     height     width     depth	25 mm² 3.5 N·m Any  121 mm 36 mm 70 mm
minimum     maximum  tightening torque with screw-type terminals maximum position of power supply cord  Mechanical Design height width depth installation depth	25 mm² 3.5 N·m Any  121 mm 36 mm
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	25 mm² 3.5 N·m Any  121 mm 36 mm 70 mm 70 mm
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  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail
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  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any
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  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail
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  Environmental conditions	25 mm² 3.5 N·m  Any  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 330 g
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  Environmental conditions     standard	25 mm² 3.5 N·m Any  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 330 g  IEC / EN 60947-2 / UL 489
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  Environmental conditions     standard     vibration resistance	25 mm² 3.5 N·m Any  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 330 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
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  Environmental conditions  standard     vibration resistance     vibration resistance according to IEC 60068-2-6	25 mm² 3.5 N·m Any  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 330 g  IEC / EN 60947-2 / UL 489
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  Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation	25 mm² 3.5 N·m  Any  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 330 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz
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  Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation minimum	25 mm² 3.5 N·m Any  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 330 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz
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  Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation maximum maximum	25 mm² 3.5 N·m Any  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 330 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz  -25 °C 55 °C
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  Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation maximum maximum ambient temperature during operation	25 mm² 3.5 N·m Any  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 330 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz
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 Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation maximum maximum ambient temperature during storage	25 mm² 3.5 N·m Any  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 330 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz  -25 °C 55 °C max. 95% humidity
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  Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation maximum maximum ambient temperature during storage minimum  maximum  mambient temperature during storage minimum	25 mm² 3.5 N·m Any  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 330 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz  -25 °C 55 °C max. 95% humidity  -40 °C
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  Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation maximum maximum ambient temperature during storage minimum maximum	25 mm² 3.5 N·m Any  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 330 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz  -25 °C 55 °C max. 95% humidity
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  Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation maximum maximum ambient temperature during storage minimum  maximum  mambient temperature during storage minimum	25 mm² 3.5 N·m Any  121 mm 36 mm 70 mm 70 mm 2 on standard mounting rail any 330 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz  -25 °C 55 °C max. 95% humidity  -40 °C













**Test Certificates** other **Environment** 

Special Test Certific-

**Miscellaneous** 

Confirmation

**Environmental Confirmations** 

Environmental Con-firmations

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=5SJ4211-8HG42

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

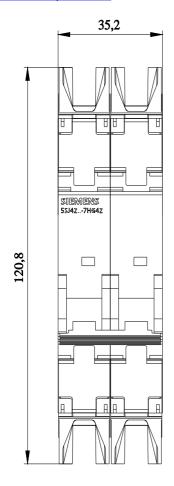
https://support.industry.siemens.com/cs/ww/en/ps/5SJ4211-8HG4

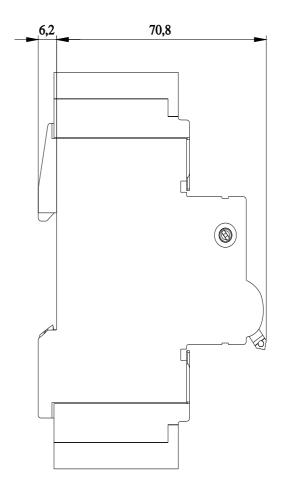
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4211-8HG42">http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4211-8HG42</a>

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 





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