SIEMENS

Data sheet 5SJ4115-7HG42



Circuit breaker 10kA, 1-pole, C, 1.6 A according to UL 489-277V

Figure similar

product brand name product designation design of the product design of the product design of the product design of the product number of poles 1 tripping characteristic class nechanical service life (operating cycles) typical installation environment regarding EMC reference code according to DIN 40719 extended according to IEC 204-2 according to EC 750 overvoltage category degree of pollution 3 Voltage insulation voltage (UI) at AC rated value e at 40 °C rated value e at 60 °C rated value at AC °C rated value at AC °C rated value at AC °C rated value 5 supply voltage supply voltage e at AC °C rated value for C rated value e at AC °C rated value for C rated v	Model	
design of the product General technical data number of poles design of pole tripping characteristic class mechanical service life (operating cycles) typical installation environment regarding EMC reference code according to DIN 40719 extended according to IEC 20-12 according to EC 75 overvoltage category degree of pollution 3 Voltage insulation voltage (UI) at AC rated value at 40 °C rated value at 60 °C rated value 5060 FL supply voltage at AC according to UL 489 and CSA C22.2 No. 5-02 maximum at DC rated value maximum by DC rated value max	product brand name	SENTRON
Central technical data Company	product designation	Miniature circuit breakers
number of poles 1 design of pole 1P 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 IDIN 40719 extended 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 1.6 A • at 40 °C rated value 1.5 A • at 55 °C rated value 1.4 A • at 65 °C rated value 1.3 A • at AC rated value 1.6 A Supply voltage supply voltage supply voltage supply voltage • at AC • at DC rated value 60 V operating voltage frequency 50/60 Hz 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 Fold maximum supply voltage frequency rated value 60 V supply voltage frequency 60 V 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 Supply voltage frequency rated value 60 V supply voltage frequency 60 V 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 Supply voltage frequency rated value 70 V supply voltage frequency 70 V supply voltage frequency 71 V supply voltage frequency 72 V supply voltage frequency 73 V supply voltage frequency 74 V supply voltage frequency 75 V supply voltage 75 V supply voltage 75 V supply voltage 75 V supply voltage 75 V supp	design of the product	Miniature circuit-breaker 5SJ4
design of pole 1P 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 overvoltage category 3 degree of pollution 3 Voltage insulation voltage (Ui) at AC rated value 440 V operational current 16 A C rated value 17 A A C rated value 18 A C rated value 19 A C rated value	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 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 60 °C rated value • at AC cared value • at AC cared value • at AC cared value • at AC rated value • at AC according to UL 489 and CSA C22.2 No. 5-02 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 supply voltage frequency rated value protection class protection class protection class IP	number of poles	1
mechanical service life (operating cycles) typical installation environment regarding EMC reference code according to DIM 40/19 extended according to EC 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 55 °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 cacording 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 • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value • 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	design of pole	1P
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 • at 30 °C rated value 2, A • at 40 °C rated value 1.5 A • at 55 °C rated value 1.5 A • at 55 °C rated value 1.3 A • at 60 °C rated value 1.3 A • at 60 °C rated value 1.3 A • at AC rated value 1.6 A • at C rated value 1.6 A • at D °C rated value 1.6 A • at D °C rated value 1.6 A • at C rated value 1.6 A • at C rated value 1.6 A • at D °C rated value 1.7 A • at C rated value 1.8 A • at C rated value 1.9 A • at C rated value 1.6 A • at D °C rated value 1.6 A • at D °	tripping characteristic class	С
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 AC rated value • at Consider value • at AC rated value • at AC rated value • at Consider value • at AC rated value • at AC rated value • at Consider value • at AC rated value • at Consider value • at AC rated value • at Consider value • at Consider value • at DC rated value maximum • at DC rated	mechanical service life (operating cycles) typical	10 000
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 2, A • at 40 °C rated value 1.6 A • at 50 °C rated value 1.5 A • at 50 °C rated value 1.3 A • at 60 °C rated value 1.3 A • at 60 °C rated value 1.3 A • at AC rated value 1.6 A Supply voltage • at AC • at DC rated value 60 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 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. 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 to 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 60 °C rated value • at AC rated value • at AC rated value • at AC • at DC rated value • 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 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 5-02 maximum • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 5-02 maximum • at DC 6-02 maximum • at DC 7-02 maximum		F
Insulation voltage (Ui) at AC rated value operational current • at 30 °C rated value • at 40 °C rated value • at 55 °C rated value • at 55 °C rated value • at 60 °C rated value • at 60 °C rated value • at AC over the supply voltage supply voltage • at AC • at DC rated value • 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 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 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 7-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 third	overvoltage category	3
insulation voltage (Ui) at AC rated value operational current • at 30 °C rated value • at 40 °C rated value • at 55 °C rated value • at 55 °C rated value • at 60 °C rated value • at AC rated value • 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 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 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 third the	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 55 °C rated value • at 60 °C rated value • at AC rated value • at AC 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 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 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	Voltage	
at 40 °C rated value at 40 °C rated value 1.6 A at 50 °C rated value 1.5 A at 55 °C rated value 1.4 A at 60 °C rated value 1.3 A at C rated value 1.6 A supply voltage supply voltage at AC at DC rated value 400 V value range of the supply voltage frequency operating voltage at DC rated value 50/60 Hz operating voltage 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 1-channel 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 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	insulation voltage (Ui) at AC rated value	440 V
 at 40 °C rated value at 50 °C rated value 1.5 A at 55 °C rated value 1.4 A at 60 °C rated value 1.3 A at AC rated value 1.6 A Supply voltage at AC at DC rated value 50/60 Hz operating voltage frequency 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 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 	operational current	
at 55 °C rated value 1.5 A at 55 °C rated value 1.4 A at 60 °C rated value 1.3 A at AC rated value 1.6 A Supply voltage supply voltage at AC at DC rated value 400 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 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 to the thick the thi	 at 30 °C rated value 	2 A
 at 55 °C rated value at 60 °C rated value at AC rated value at AC rated value bat AC at AC at DC rated value at DC rated value bat AC at DC rated value coperating 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 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 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<td> at 40 °C rated value </td><td>1.6 A</td>	 at 40 °C rated value 	1.6 A
at 60 °C rated value 1.3 A at AC rated value 1.6 A Supply voltage supply voltage at AC at DC rated value 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 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 at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum to the total case of the to	 at 50 °C rated value 	1.5 A
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 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 protection class IP 20, with connected conductors, IP 40 in the handle range	• at 55 °C rated value	1.4 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 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. 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. 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 maxim	 at 60 °C rated value 	1.3 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 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** IP20, with connected conductors, IP 40 in the handle range	 at AC rated value 	1.6 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 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 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	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 supply voltage frequency rated value Protection class 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 50 Hz 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 Frotection 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	1.6 W
Main circuit	
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 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	
set values setting current (li) for I-tripping	7,5
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	
• minimum	0.75 mm²
• maximum	25 mm²
tightening torque with screw-type terminals maximum	3.5 N·m
position of power supply cord	Any
Mechanical Design	
height	121 mm
width	18 mm
depth	70 mm
installation depth	70 mm
number of modular width units	1
fastening method	on standard mounting rail
mounting position	any
net weight	176 g
Environmental conditions	
Environmental conditions standard	IEC / EN 60947-2 / UL 489
	IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
standard	
standard vibration resistance	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
standard vibration resistance vibration resistance according to IEC 60068-2-6	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation	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
standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum	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 55 °C
standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum	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 55 °C -25 °C
standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum ambient temperature during operation	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 55 °C -25 °C
standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum ambient temperature during operation ambient temperature during storage	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 55 °C -25 °C max. 95% humidity
standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum ambient temperature during operation ambient temperature during storage • minimum	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 55 °C -25 °C max. 95% humidity -40 °C













General Product Approval

Test Certificates

other

Environment

Special Test Certific-<u>ate</u>

Confirmation

Miscellaneous

Environmental Con**firmations**

Environmental Confirmations

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=5SJ4115-7HG42

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4115-7HG42

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

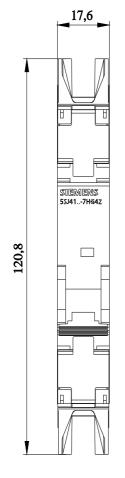
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4115-7HG42

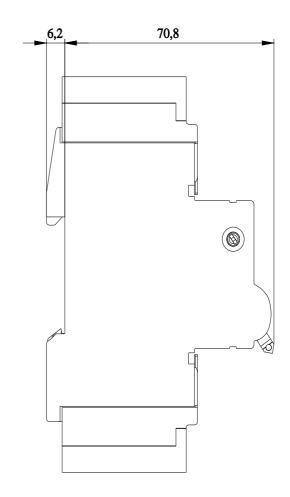
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





last modified:

3/12/2024

