SIEMENS

Data sheet 5SJ4345-8HG41



Miniature circuit breaker 240 V 10kA, 3-pole, D, 45 A, D=70 mm according to UL 489 $\,$

product brand name product designation design of the product designation design of the product Miniature circuit-breaker SSJ4 General technical data number of poles design of pole 3P	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 204-2 according to IEC 750 overvoltage category degree of pollution 3 Voltage insulation voltage (Ui) at AC rated value * at AC rated value * at AC rated 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 rated value maximum * at DC single 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 EC 400 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 EC 400 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 maxi	product brand name	SENTRON
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 2042 according to IEC 750 overvoltage category degree of pollution Voltage supply voltage supply voltage **at AC rated value** **at AC rated value** **at AC according to UL 489 and CSA C22.2 No. 5-02 maximum **at DC rated value value **at DC rated value **at D	product designation	Miniature circuit breakers
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 204-2 according to IEC 750 overvoltage category degree of pollution 3 Voltage insulation voltage (UI) at AC rated value **Exply voltage supply voltage **supply voltage **eat AC rated value **at Crated value **at AC according to UL 489 and CSA C22.2 No. 5-02 maximum **at DC rated value maximum **at DC single 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 **supply voltage frequency rated value **50 Hz Protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity switching capacity switching capacity current **according to IEC 60947-2 rated value **according to IEC 60947-2 rated	design of the product	Miniature circuit-breaker 5SJ4
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 204-2 according to IEC 750 overvoltage category degree of pollution Substable for environment B (immunity to interference not applicable) F Voltage insulation voltage (UI) at AC rated value 440 V Supply voltage at AC rated value at AC rated value at AC rated value be at AC rated value at AC rated value at AC rated value be at AC rated value at AC according to UL 489 and CSA C22.2 No. 5-02 maximum at DC rated value maximum be at DC rated value maximum at DC 2-2.2 No. 5-02 maximum at DC 2-2.2 No. 5-02 maximum at DC channel according to UL 489 and CSA C22.2 No. 5-02 maximum be at DC schannel according to UL 489 and CSA C22.2 No. 5-02 maximum be at DC channel according to UL 489 and CSA C22.2 No. 5-02 maximum be at DC contained according to UL 489 and CSA C32.2 No. 5-02 maximum be at DC contained according to UL 489 and CSA C32.2 No. 5-02 maximum be at DC rated value be according to EN 60986 rated value be according to EN 60986 rated value be according to EN 60986 rated value be according to EN 60987-2 rated value be according to EN 60986 rated	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 Voltage supply voltage supply voltage • at AC rated value • at DC rated value • at DC rated value maximum • at DC sangle 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 C3-channel according to UL	number of poles	3
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 Supply voltage supply voltage u at AC rated value 400 V at AC rated value 400 V at AC rated value 50/60 Hz operating voltage 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 but 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 but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum but DC 2-channel accordi	design of pole	3P
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 Voltage insulation voltage (Ui) at AC rated value Supply voltage supply voltage • at AC rated value • at DC rated value • 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 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 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 C32.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C32.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C32.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C32.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C32.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C32.3 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C32.3 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C32.3 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C32.3 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C32.3 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C32.3 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C32.3 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C32.3 No. 5-02 maximum • at DC 4-channel according to UL 489 and CSA C32.3 No. 5-02 maximum • at DC 4-channel according to UL 489 and CSA C32.3 No. 5-02 maximum • at DC 4-channel according to UL 489 and CSA C32	tripping characteristic class	D
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 overvoltage category 3 3 degree of pollution 3 3 Voltage insulation voltage (Ui) at AC rated value 440 V Supply voltage supply voltage • at AC rated value 400 V • at DC rated value 500 K 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 • at DC single 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 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No.5 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No.5 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No.5 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No.5 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No.5 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No.5 5-02 maximum • at DC 2-	mechanical service life (operating cycles) typical	10 000
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 Supply voltage supply voltage supply voltage ***at AC 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 AC according to UL 489 and CSA C22.2 No. 5-02 maximum ***at DC rated value maximum 60 V ***at DC single 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 50 Hz ***Protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity **switching capacity current	installation environment regarding EMC	Suitable for environment B (immunity to interference not applicable)
degree of pollution Voltage insulation voltage (Ui) at AC rated value 440 V Supply voltage supply voltage • at AC rated value • at DC rated value • 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 single 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 Switching capacity switching capacity current • according to EN 60898 rated value 10 kA 15 kA Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current		F
Insulation voltage (Ui) at AC rated value Supply voltage supply voltage • at AC rated value • at DC rated value • 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 single 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 50 Hz Protection class protection class IP Switching capacity switching capacity switching capacity current • according to EN 60898 rated value 10 kA • according to IEC 60947-2 rated value 5.7 W 5.7 W current 5.7 W current 5.7 W	overvoltage category	3
insulation voltage (Ui) at AC rated value 440 V Supply voltage supply voltage • at AC rated value 400 V • at DC rated value 50/60 Hz operating voltage • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC rated value maximum 60 V • at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9.00 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 Switching 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 Current	degree of pollution	3
supply voltage • at AC rated value • at DC rated value • 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 single 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 Protection class IP Protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity switching capacity current • according to IEC 60947-2 rated value 10 kA • according to IEC 60947-2 rated value 55.7 W Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	Voltage	
supply voltage • at AC rated value • at DC rated value • 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 single 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 Switching capacity switching capacity switching capacity current • according to EN 60898 rated value • according to EN 60898 rated value 10 kA • according to IEC 60947-2 rated value 5.7 W Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	insulation voltage (Ui) at AC rated value	440 V
at AC rated value at DC rated value 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 single 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 IP20, with connected conductors, IP 40 in the handle range Switching capacity switching capacity switching capacity current according to IEC 60947-2 rated value 10 kA according to IEC 60947-2 rated value power loss [W] for rated value of the current at AC in hot operating state per pole Current	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 single 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 Switching capacity switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	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 single 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 Switching capacity switching capacity current • according to EN 60898 rated value • according to EN 60898 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	 at AC rated value 	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 single 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 Switching capacity switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current		60 V
at AC according to UL 489 and CSA C22.2 No. 5-02 maximum at DC rated value maximum at DC single 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 Switching capacity switching capacity current according to EN 60898 rated value 10 kA according to IEC 60947-2 rated value 5.7 W Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	value range of the supply voltage frequency	50/60 Hz
maximum • at DC rated value maximum • at DC single 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 Switching capacity switching capacity current • according to EN 60898 rated value 10 kA • according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current		
at DC single 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 Switching capacity switching capacity current according to EN 60898 rated value according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current		240 V
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 Switching capacity switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	 at DC rated value maximum 	60 V
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 Switching capacity switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current		60 V
Protection class IP IP20, with connected conductors, IP 40 in the handle range Switching capacity switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	8	125 V
protection class IP Switching capacity switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current	supply voltage frequency rated value	50 Hz
Switching capacity switching capacity current • according to EN 60898 rated value • 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 Current	Protection class	
switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 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 Current	protection class IP	IP20, with connected conductors, IP 40 in the handle range
 according to EN 60898 rated value according to IEC 60947-2 rated value bissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current 	Switching capacity	
according to IEC 60947-2 rated value Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current 15 kA 5.7 W 5.7 W	switching capacity current	
Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole Current 5.7 W		10 kA
power loss [W] for rated value of the current at AC in hot operating state per pole Current 5.7 W	 according to IEC 60947-2 rated value 	15 kA
operating state per pole Current	Dissipation	
		5.7 W
operational current	Current	
	operational current	

 at 30 °C rated value 	45 A
 at 40 °C rated value 	45 A
 at 45 °C rated value 	44.1 A
 at 50 °C rated value 	43.2 A
 at 55 °C rated value 	42.2 A
 at 60 °C rated value 	41.4 A
at AC rated value	45 A
Main circuit	
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	240
suitability for operation	Mechanical engineering / 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	
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
Short circuit	3 - 3 - 3 - 4
short-circuit current breaking capacity (Icn) at AC	10 kA
according to UL 1077 and CSA C22.2 No.235	IU NA
Connections	
connectable conductor cross-section finely stranded with	
core end processing	
core end processing • minimum	0.75 mm ²
-	0.75 mm ² 25 mm ²
 minimum maximum tightening torque with screw-type terminals maximum 	
minimummaximum	25 mm²
 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 3.5 N·m
minimum maximum tightening torque with screw-type terminals maximum position of power supply cord Mechanical Design	25 mm² 3.5 N·m Any
minimum maximum tightening torque with screw-type terminals maximum position of power supply cord Mechanical Design height	25 mm² 3.5 N·m Any
minimum maximum tightening torque with screw-type terminals maximum position of power supply cord Mechanical Design height width	25 mm² 3.5 N·m Any 110 mm 54 mm
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 110 mm 54 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 110 mm 54 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	25 mm² 3.5 N·m Any 110 mm 54 mm 70 mm 70 mm 3
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 110 mm 54 mm 70 mm 70 mm 3 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 110 mm 54 mm 70 mm 70 mm 3 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 110 mm 54 mm 70 mm 70 mm 3 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 Environmental conditions	25 mm² 3.5 N·m Any 110 mm 54 mm 70 mm 3 on standard mounting rail any 498 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 vibration resistance	25 mm² 3.5 N·m Any 110 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 498 g 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 vibration resistance vibration resistance according to IEC 60068-2-6	25 mm² 3.5 N·m Any 110 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 498 g 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 vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation	25 mm² 3.5 N·m Any 110 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 498 g 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 vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation minimum maximum	25 mm² 3.5 N·m Any 110 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 498 g 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
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 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 110 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 498 g 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 vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation minimum maximum	25 mm² 3.5 N·m Any 110 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 498 g 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
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 vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation maximum ambient temperature during operation ambient temperature during storage	25 mm² 3.5 N·m Any 110 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 498 g 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
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 vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation maximum maximum ambient temperature during storage minimum minimum minimum maximum mambient temperature during storage minimum	25 mm² 3.5 N·m Any 110 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 498 g 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

Confirmation











Test Certificates other

<u>Miscellaneous</u> <u>Special Test Certificate</u> <u>Miscellaneous</u> <u>Confirmation</u> <u>Environmental Confirmations</u>

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SJ4345-8HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4345-8HG41

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4345-8HG41

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





