## **SIEMENS**

Data sheet 5SJ4202-7HG42



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

product brand name product designation design of the product designation (asign of the product (asignation) (asign of pole tripping characteristic class (as	Model			
design of the product  General technical data  number of poles design of pole tripping characteristic class mechanical service life (switching 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 poliution  10 000  Suitable for environment B (immunity to interference not applicable) F overvoltage category degree of poliution 3  Voltage type of voltage of the operating voltage insulation voltage (UI) at AC rated value 440 V  Supply voltage  supply voltage  supply voltage  supply voltage  supply 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 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 489 a	product brand name	SENTRON		
General technical data  number of poles design of pole tripping characteristic class mechanical service life (switching 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  type of voltage of the operating voltage insulation voltage (Ui) at AC rated value  AC/DC insulation voltage (Ui) at AC rated value  440 V  Supply voltage  supply voltage  supply voltage at AC 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 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  • according to EC 60947-2 rated value  • according to EC 60947-2 rated value  10 kA • according to EC 60947-2 rated value  power loss [W] for rated value of the current at AC in hot operating state per pole  Current  operational current	product designation	Miniature circuit breakers		
number of poles design of pole tripping characteristic class C mechanical service life (switching 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 3   Voltage Type of voltage of the operating voltage insulation voltage (UI) at AC rated value 440 V   Supply voltage at AC rated value 450 N   **at AC according to UL 489 and CSA C22.2 No. 5-02 maximum 60 V   **at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum 100 V   **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 100 V   **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 100 V   **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 100 V   **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 100 V   **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 100 V   **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 100 V   **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 100 V   **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 100 V   **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 100 V   **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 100 V   **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 100 V    **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 100 V	design of the product	Miniature circuit-breaker 5SJ4		
design of pole tripping characteristic class mechanical service life (switching 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  Type of voltage of the operating voltage insulation voltage (Ui) at AC rated value  Supply voltage  supply voltage  supply voltage  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  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  by voltage frequency rated value  by voltage frequency rated value  by voltage frequency rated value  cacording to IEC 60947-2 rated value  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  operational current	General technical data			
tripping characteristic class mechanical service life (switching 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 type of voltage of the operating voltage insulation voltage (Ui) at AC rated value  440 V  Supply voltage supply voltage at AC rated value 440 V  Supply voltage at AC rated value 440 V  Supply voltage at AC rated value 440 V  Supply voltage at AC rated value 560/60 Hz operating voltage  • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC rated value maximum • at DC 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 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 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	number of poles	2		
mechanical service life (switching 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  type of voltage of the operating voltage insulation voltage (UI) at AC rated value 40 V  Supply voltage supply voltage at AC rated value 40 V  Supply voltage at AC rated value 40 V  Supply voltage at AC rated value 50/60 Hz operating voltage • at DC 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 schannel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value 50 Hz  Protection class  Protection class  Protection class IP  Switching capacity switching capacity current • according to EC 60947-2 rated value • according to EC 60947-2 rated value  Dissipation  power loss [M] for rated value of the current at AC in hot operating state per pole  Current  operational current	design of pole	2P		
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  Type of voltage of the operating voltage insulation voltage (Ui) at AC rated value  Supply voltage  supply voltage at AC rated value  • at AC 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 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 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	tripping characteristic class	С		
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  type of voltage of the operating voltage AC/DC insulation voltage (Ui) at AC rated value 440 V  Supply voltage  supply voltage at AC rated value 400 V value range of the supply voltage frequency operating voltage • at AC according to UL 489 and CSA C22.2 No. 5-02 277 V maximum 60 V at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum 60 V at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum 60 V C22.2 No. 5-02 maximum 60 V C22.2 No. 5-02 maximum 61 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 61 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 61 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 7 So Hz  **Protection class**  **protectio	mechanical service life (switching cycles) typical	10 000		
according to IEC 204-2 according to IEC 750 overvoltage category 3 degree of pollution 3  Voltage  type of voltage of the operating voltage insulation voltage (Ui) at AC rated value 440 V  Supply voltage supply voltage at AC 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 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. 5-02 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	c c	Suitable for environment B (immunity to interference not applicable)		
degree of pollution  Voltage  type of voltage of the operating voltage insulation voltage (Ui) at AC rated value  Supply voltage  supply voltage at AC 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  • 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  50 Hz  Protection class IP  IP20, with connected conductors, IP 40 in the handle range  Switching capacity current  • according to EN 60898 rated value  • 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  operational current	<b>5</b>			
type of voltage of the operating voltage insulation voltage (Ui) at AC rated value 440 V  Supply voltage  supply voltage 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 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 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 operational current	overvoltage category			
type of voltage of the operating voltage insulation voltage (Ui) at AC rated value  Supply voltage  supply voltage  supply voltage at AC 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-maximum  • at DC 3-maximum  • at DC 2-maximum  • at DC 3-maximum  • at DC 3-maximum  • at DC 3-maximum  • at DC 4-maximum  • at DC 4-maximum  • at DC 5-maximum  • a		3		
insulation voltage (Ui) at AC rated value  Supply voltage  supply voltage at AC 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-maximum • at DC 2-maximum  • at DC 2-maximum  • at DC 2-maximum  • at DC 2-maximum  • at DC 2-maximum  • at DC 2-maximum  • at DC 2-maximum  • at DC 3-maximum  • at DC 2-maximum  • at DC 2-maximum  • at DC 2-maximum  • at DC 2-maximum  • at DC 3-maximum  • at DC 4-maximum  • at DC 4-maximum  • at DC 5-maximum  • at DC 7-maximum  • at DC 7	Voltage			
supply voltage at AC 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  50 Hz  Protection class 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  11.8 W  Dissipation  power loss [W] for rated value of the current at AC in hot operating state per pole  Current  operational current	,, , , , , , , , , , , , , , , , , , , ,			
supply voltage at AC 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  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 • according to EN 60947-2 rated value  10 kA  • according to EC 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  operational current	insulation voltage (Ui) at AC rated value	440 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 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  operational current	Supply voltage			
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  switching capacity current  • according to EN 60898 rated value  • 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  operational current	supply voltage 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 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  operational 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  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  operational current	operating voltage			
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  operational current	•	277 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  Frotection 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  operational current		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  operational current		60 V		
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  operational current		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  operational 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  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  operational 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  operational 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  15 kA  Dissipation  power loss [W] for rated value of the current at AC in hot operating state per pole  Current  operational 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  operational current	switching capacity current			
Dissipation  power loss [W] for rated value of the current at AC in hot operating state per pole  Current  operational current	<ul> <li>according to EN 60898 rated value</li> </ul>	10 kA		
power loss [W] for rated value of the current at AC in hot operating state per pole  Current  operational current	<ul> <li>according to IEC 60947-2 rated value</li> </ul>	15 kA		
operating state per pole  Current operational current	Dissipation			
operational current		1.8 W		
	Current			
at 30 °C rated value     2 A	operational current			
	at 30 °C rated value	2 A		

<ul> <li>at 40 °C rated value</li> </ul>	2 A	
<ul> <li>at 45 °C rated value</li> </ul>	1.9 A	
<ul> <li>at 50 °C rated value</li> </ul>	1.9 A	
<ul> <li>at 55 °C rated value</li> </ul>	1.8 A	
<ul> <li>at 60 °C rated value</li> </ul>	1.8 A	
<ul> <li>at AC rated value</li> </ul>	2 A	
Main circuit		
type of voltage supply at AC according to UL 489 and	480/277	
CSA C22.2 No. 5-02		
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	100	
	Townsing Lightoning towns for Cu. CO/75°C: 2 ENION	24lh in
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/	3 IID.III
Short circuit		
breaking capacity short-circuit current (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	36 mm	
depth	70 mm	
installation depth	70 mm	
number of modular width units	2	
fastening method	on standard mounting rail	
mounting position	any	
net weight	345 g	
Environmental conditions	340 g	
	F0 m/-2 -4 0F t- 4F0H 4 00m/-2 -4 0FH- (4)	
vibration registance	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)	
vibration resistance according to IEC 60068-2-6	±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz	
ambient temperature during operation	FE °C	
• minimum	55 °C	
• maximum	-25 °C	
ambient temperature during operation	max. 95% humidity	
ambient temperature during storage	40.00	
• minimum	-40 °C	
• maximum	75 °C	
Certificates		
reference code		
<ul> <li>according to EN 61346-2</li> </ul>	F	
according to IEC 81346-2	F	
General Product Approval		Declaration of Conformity



Confirmation









Declaration of Conformity

**Test Certificates** 

other

UK

Special Test Certificate

Environmental Confirmations

**Miscellaneous** 

## Further information

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=5SJ4202-7HG42

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4202-7HG42

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4202-7HG42

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications



