## **SIEMENS**

Data sheet 5SJ4304-8HG42



Circuit breaker 10kA, 3-pole, D, 4 A according to UL 489-480Y/277V

product brand name product designation design of the product designation design of the product Miniature circuit-breakers Miniature circuit-breaker SSJ4  General technical data  number of poles design of pole 3P tripping characteristic class DD application installation environment regarding EMC reference code according to IDN 40719 extended according to IEC 2042 according to IEC 750 overvoltage category 3 Suitable for environment B (immunity to interference not applicable)  Foreign overvoltage (UI) at AC rated value 440 V  Supply voltage  supply voltage  supply voltage 40 AC rated value 400 V alt DC rated value 400 V operating voltage 41 AC according to UL 489 and CSA C22.2 No. 5-02 maximum 41 DC rated value maximum 41 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum 34 DC 2-channel according to UL 489 and CSA C22.2 No.5-02 maximum 34 DC 2-channel according to UL 489 and CS	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 poliution 3  Voltage insulation voltage (Ui) at AC rated value  * at C 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 EU 489 and CSA C22.2 No. 5-02 maximum  * at DC 3-channel according to EU 489 and CSA C22.2 No. 5-02 maximum  * at DC 3-channel according to EU 5-channel according to E	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 maximum **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 C22 No. 5-02 maximum **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 C22 No. 5-02 maximum **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 C22 No. 5-02 maximum **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 **supply voltage frequency rated value maximum **supply voltage frequency maximum **supply voltage freque	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  **Supply voltage supply voltage  **at AC rated value **at C rated value **at C 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 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	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 3 Voltage insulation voltage (UI) at AC rated value  440 V  Supply voltage  at AC rated value at AC rated value at AC rated value 50/60 Hz operating voltage  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 single channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC channel according to UL 489 and CSA C22.2 No. 5-02 maximum be at DC rated value at DC channel 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 channel according to UL 489 and CSA C22.2 No. 5-02 maximum be at DC control according to UL 489 and CSA C22.2 No. 5-02 maximum be at DC rated value be according to EN 60986 rated value be according to EN 60986 rated value caccording to EN 60986 rated value be according to EN 60987-2 rated value be according to EN 60986 rated value be a	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  • at AC rated value • at DC rated value • at DC rated value maximum • at DC stagle dannel according to UL 489 and CSA 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 • 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 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 • 30 Hz  Protection class  protection class IP IP20, with connected conductors, IP 40 in the handle range  Switching capacity  switching capacity  switching capacity  switching capacity current • according to IEC 60947-2 rated value • 10 kA • according to IEC 60947-2 rated value  10 kA • according to IEC 60947-2 rated value  10 kA • according to IEC 60947-2 rated value  10 kA • according to IEC 60947-2 rated value  10 kA • according to IEC 60947-2 rated value  10 kA	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 woltage  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 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 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 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 C32.3 No. 5-02 maximum  • at DC 5-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 50/60 Hz 50/60	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 50/660 Hz operating voltage  ***at AC according to UL 489 and CSA C22.2 No. 5-02 maximum  ***at AC rated value maximum 60 V  ***at DC rated value maximum 60 V  ***at DC rated value maximum 60 V  ***at DC single channel according to UL 489 and CSA C22.2 No. 5-02 maximum 125 V  **C22.2 No. 5-02 maximum 125 V  **Supply voltage frequency rated value 50 Hz  **Protection class IP IP20, with connected conductors, IP 40 in the handle range 15 kA  **Dissipation 15 kA  **Dissipation 15 kA  **Dissipation 16 EC 60947-2 rated value 15 kA  **Dissipation 17 power loss [W] for rated value of the current at AC in hot operating state per pole  **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 Cacording 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 supply voltage frequency rated value  50 Hz  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  Tisk A  Dissipation  power loss [W] for rated value of the current at AC in hot operating state per pole  Current	overvoltage category		
insulation voltage (Ui) at AC rated value  Supply 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 • 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 • according to IEC 60947-2 rated value  11 SkA  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 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 IEC 60947-2 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	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 EC 60947-2 rated value  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  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  switching capacity current • according to EN 60898 rated value • 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	<ul> <li>at AC rated value</li> </ul>	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  15 kA  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  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 EC 60947-2 rated value  Dissipation  power loss [W] for rated value of the current at AC in hot operating state per pole  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  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	<ul> <li>at DC rated value maximum</li> </ul>	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	· · · · · · · · · · · · · · · · · · ·	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	
<ul> <li>according to EN 60898 rated value</li> <li>according to IEC 60947-2 rated value</li> <li>bissipation</li> <li>power loss [W] for rated value of the current at AC in hot operating state per pole</li> <li>Current</li> </ul>	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  1.6 W	switching capacity current		
Dissipation  power loss [W] for rated value of the current at AC in hot operating state per pole  Current  1.6 W	<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  1.6 W	<ul> <li>according to IEC 60947-2 rated value</li> </ul>	15 kA	
operating state per pole  Current	Dissipation		
		1.6 W	
operational current	Current		
	operational current		

• at 30 °C rated value	4 A	
• at 40 °C rated value	4 A	
• at 45 °C rated value	3.9 A	
• at 50 °C rated value	3.8 A	
at 55 °C rated value	3.7 A	
at 60 °C rated value	3.6 A	
at AC rated value	4 A	
Main circuit		
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	480/277	
suitability for operation	Mechanical engineering / industry	
Product details		
product component		
<ul> <li>tunnel terminals top</li> </ul>	No	
<ul> <li>tunnel terminals bottom</li> </ul>	No	
<ul> <li>combined terminal top</li> </ul>	Yes	
<ul> <li>combined terminal bottom</li> </ul>	Yes	
<ul> <li>neutral conductor switching</li> </ul>	No	
product feature		
<ul><li>halogen-free</li></ul>	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/3	31lb.in
Short circuit		
short-circuit current breaking capacity (Icn) at AC	10 kA	
according to UL 1077 and CSA C22.2 No.235		
Connections		
connectable conductor cross-section finely stranded with		
core end processing		
• minimum	0.75 mm <sup>2</sup>	
• 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	54 mm	
depth	70 mm	
installation depth	70 mm	
number of modular width units	3	
fastening method	on standard mounting rail	
mounting position	any	
net weight	488 g	
Environmental conditions		
vibration resistance	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		
• minimum	55 °C	
• maximum	-25 °C	
ambient temperature during operation	max. 95% humidity	
ambient temperature during storage		
• minimum	40.00	
	-40 °C	
maximum	-40 °C 75 °C	
		Declaration of
maximum     General Product Approval		Declaration of Conformity



Confirmation









**Declaration of Conformity** 

**Test Certificates** 

other



Special Test Certificate

Confirmation

**Miscellaneous** 

Environmental Confirmations

## 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=5SJ4304-8HG42

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4304-8HG42

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4304-8HG42

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications





