## **SIEMENS**

Data sheet 5SJ4135-7HG42



Circuit breaker 10kA, 1-pole, C, 35A according to UL 489-277V

Figure similar

product brand name product designation design of the product design of the product design of the product  mumber of poles  feesign of pole tripping characteristic class mechanical service life (operating cycles) typical installation environment regarding EMC suitable for environment B (immunity to interference not applicable) reference code according to DIN 40719 extended according to IEC 204-2 according to EC 750  overvoltage category degree of pollution  voltage insulation voltage (UI) at AC rated value at 40 °C rated value at 50 °C rated value at 60 °C rated value at AC at AC supply voltage supply voltage  at AC a	Model	
design of the product  Central technical data number of poles  design of pole  tripping characteristic class  mechanical service life (operating cycles) typical  installation environment regarding EMC  suitable for environment B (immunity to interference not applicable)  reference code according to DIN 40719 extended according to EC 20-02 according to EE 20-02 according t	product brand name	SENTRON
Central technical data   Company	product designation	Miniature circuit breakers
number of poles 1 design of pole 1P tripping characteristic class C mechanical service life (operating cycles) typical 10 000 installation environment regarding EMC Suitable for environment B (immunity to interference not applicable) reference code according to IDIN 40719 extended according to IEC 2042 according to IEC 750 overvoltage category 3 degree of pollution 3  **Voltage**  insulation voltage (UI) at AC rated value 440 V operational current • at 30 °C rated value 35 A • at 40 °C rated value 35 A • at 55 °C rated value 31.8 A • at 65 °C rated value 33.8 A • at 60 °C rated value 33.8 A • at AC rated value 35 A  **at AC rated value 35 A  **supply voltage**  supply voltage  supply voltage  **at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  **at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  **supply voltage frequency rated value 50 Hz  **protection class IP  IP20, with connected conductors, IP 40 in the handle range	design of the product	Miniature circuit-breaker 5SJ4
design of pole 1P  tripping characteristic class C C	General technical data	
tripping characteristic class  mechanical service life (operating cycles) typical  installation environment regarding EMC reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750  overvoltage category  degree of pollution  3  Voltage installation environment guarding EMC  say a set of pollution  3  Voltage installation voltage (Ui) at AC rated value  operational current  • at 30 °C rated value • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at AC caccording to UL 489 and CSA C22.2 No. 5-02  maximum • at DC rated value maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value  Protection class protection class protection class IP	number of poles	1
mechanical service life (operating cycles) typical installation environment regarding EMC reference code according to DIM 40/19 extended according to IEC 204-2 according to IEC 750 overvoltage category degree of pollution 3  Voltage insulation voltage (UI) at AC rated value operational current • at 30 °C rated value • at 40 °C rated value • at 55 °C rated value • at 50 °C rated value • at 60 °C rated value • at AC rated value • at Caccording to UL 489 and CSA C22.2 No. 5-02 maximum • at DC rated value maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA 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	design of pole	1P
installation environment regarding EMC Suitable for environment B (immunity to interference not applicable) reference code according to DIN 40719 extended according to IEC 2042 according to IEC 750  overvoltage category 3 degree of pollution 3  Voltage insulation voltage (Ui) at AC rated value 440 V operational current  • at 30 °C rated value 35 A • at 40 °C rated value 32 9 A • at 50 °C rated value 32.9 A • at 50 °C rated value 33.8 A • at 60 °C rated value 33.8 A • at 60 °C rated value 33.8 A • at 60 °C rated value 33.8 A  • at 7 crated value 35 A  Supply voltage  supply voltage  • at AC • at DC rated value 60 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 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 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 to the transport of the transport of the transport of the transport of the	tripping characteristic class	С
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750  overvoltage category degree of pollution 3  Voltage insulation voltage (Ui) at AC rated value operational current  • at 30 °C rated value • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value • at 60 °C rated value • at AC rated value • at Core rated value • at DC rated value range of the supply voltage frequency  operating voltage • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC rated value maximum • at DC rated value maximum • at DC rated value maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 polic according to UL 489 and CSA C22.2 No. 5-02 polic according to UL 489 and CSA C22.2 No. 5-02 polic according to UL 489 and CSA C2	mechanical service life (operating cycles) typical	10 000
IEC 204-2 according to IEC 750 overvoltage category 3 degree of pollution 3  Voltage  insulation voltage (Ui) at AC rated value 440 V operational current  • at 30 °C rated value 35 A • at 40 °C rated value 32.9 A • at 55 °C rated value 32.9 A • at 55 °C rated value 33.8 A • at 60 °C rated value 35.A  Supply voltage  • at AC rated value 35.A  Supply voltage  • at AC rated value 35.A  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 DC rated value maximum 60 V • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum to the thin the handle range	installation environment regarding EMC	Suitable for environment B (immunity to interference not applicable)
degree of pollution  Voltage  insulation voltage (Ui) at AC rated value  operational current  • at 30 °C rated value  • at 40 °C rated value  • at 50 °C rated value  • at 50 °C rated value  • at 60 °C rated value  • at 60 °C rated value  • at 60 °C rated value  • at AC rated value  • at AC  • at DC rated value  • at AC  • at DC rated value  • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 7-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 7-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 7-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 7-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 7-channel according to UL 489 and CSA C22.2 No. 5-02 maximum		F
Insulation voltage (Ui) at AC rated value  operational current  • at 30 °C rated value  • at 40 °C rated value  • at 50 °C rated value  • at 55 °C rated value  • at 60 °C rated value  • at 60 °C rated value  • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 5-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 4-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 5-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 7-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 7-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 7-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 7-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 7-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 7-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 7-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 7-channel according to UL 489 and CSA C22.2 No. 5-02 maximum to the handle range	overvoltage category	3
insulation voltage (UI) at AC rated value  operational current  • at 30 °C rated value • at 40 °C rated value • at 55 °C rated value • at 55 °C rated value • at 60 °C rated value • at AC rated value  • at AC rated value  55 A  Supply voltage  • at AC • at AC • at DC rated value  • at AC • at DC rated value • at Coracted value  • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum to the third the th	degree of pollution	3
operational current  • at 30 °C rated value • at 40 °C rated value • at 50 °C rated value • at 55 °C rated value • at 55 °C rated value • at 60 °C rated value • at 60 °C rated value • at 60 °C rated value • at AC rated value  • at AC • at AC • at DC rated value • at AC • at DC rated value • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum	Voltage	
at 30 °C rated value at 40 °C rated value at 50 °C rated value at 55 °C rated value at 60 °C rated value at 70 °C	insulation voltage (Ui) at AC rated value	440 V
<ul> <li>at 40 °C rated value</li> <li>at 50 °C rated value</li> <li>32.9 A</li> <li>at 55 °C rated value</li> <li>31.8 A</li> <li>at 60 °C rated value</li> <li>30.8 A</li> <li>at AC rated value</li> <li>35 A</li> </ul> Supply voltage <ul> <li>at AC</li> <li>at DC rated value</li> <li>50/60 Hz</li> </ul> operating voltage frequency <ul> <li>at AC according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC rated value maximum</li> <li>at DC rated value maximum</li> <li>at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> </ul> Supply voltage frequency rated value <ul> <li>50 Hz</li> </ul> Protection class IP <ul> <li>IP20, with connected conductors, IP 40 in the handle range</li> </ul>	operational current	
at 55 °C rated value at 55 °C rated value at 60 °C rated value at 60 °C rated value at AC  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  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 C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum to the total cache according to UL 489 and CSA C22.2 No. 5-02 maximum to the total cache according to UL 489 and CSA C22.2 No. 5-02 maximum to the total cache according to UL 489 and CSA C22.2 No. 5-02 maximum to the total cache according to UL 489 and CSA C22.2 No. 5-02 maximum to the total cache according to UL 489 and CSA C22.2 No. 5-02 maximum t	<ul> <li>at 30 °C rated value</li> </ul>	35 A
at 55 °C rated value at 60 °C rated value at AC rated value at AC rated value  supply voltage  at AC at DC rated value  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 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum to the total cache according to UL 489 and CSA C22.2 No. 5-02 maximum to the total cache according to UL 489 and CSA C22.2 No. 5-02 maximum to the total cache according to UL 489 and CSA C22.2 No. 5-02 maximum to the total cache according to UL 489 and CSA C22.2 No. 5-02 maximum to the total cache according to UL 489 and CSA C22.2 No. 5-02 maximum to the total cach	<ul> <li>at 40 °C rated value</li> </ul>	35 A
at 60 °C rated value at AC rated value  supply voltage  at AC at DC rated value  operating voltage  at AC according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC rated value maximum  at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value  protection class  protection class IP	<ul> <li>at 50 °C rated value</li> </ul>	32.9 A
at AC rated value  Supply voltage  supply voltage  at AC  at DC rated value  value range of the supply voltage frequency  operating voltage  at AC according to UL 489 and CSA C22.2 No. 5-02  maximum  at DC rated value maximum  at DC rated value maximum  at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  protection class  protection class IP	• at 55 °C rated value	31.8 A
Supply voltage  • at AC  • at DC rated value  value range of the supply voltage frequency  operating voltage  • at AC according to UL 489 and CSA C22.2 No. 5-02  maximum  • at DC rated value maximum  • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 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 2-channel according to UL 489 and CSA C22.2 No. 125 V  5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 125 V  5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 125 V  5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 125 V  5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 125 V  5-02 maximum  • at DC 3-channel according to UL 489 and CSA C22.2 No. 125 V	<ul> <li>at 60 °C rated value</li> </ul>	30.8 A
supply voltage  • at AC  • at DC rated value  value range of the supply voltage frequency  operating voltage  • at AC according to UL 489 and CSA C22.2 No. 5-02  maximum  • at DC rated value maximum  • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 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  protection class IP  IP20, with connected conductors, IP 40 in the handle range	<ul> <li>at AC rated value</li> </ul>	35 A
at AC at DC rated value  for V  value range of the supply voltage frequency  operating voltage  at AC according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC rated value maximum  at DC rated value maximum  at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value  Protection class  protection class IP  IP20, with connected conductors, IP 40 in the handle range	Supply voltage	
<ul> <li>at DC rated value</li> <li>value range of the supply voltage frequency</li> <li>50/60 Hz</li> <li>operating voltage</li> <li>at AC according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC rated value maximum</li> <li>at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>supply voltage frequency rated value</li> <li>Frotection class</li> <li>protection class IP</li> <li>IP20, with connected conductors, IP 40 in the handle range</li> </ul>	supply voltage	
value range of the supply voltage frequency  operating voltage  • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC rated value maximum  • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value  Protection class  Protection class IP  IP20, with connected conductors, IP 40 in the handle range	• at AC	400 V
operating voltage  • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC rated value maximum  • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value  Protection class  Protection class IP  IP20, with connected conductors, IP 40 in the handle range	at DC rated value	60 V
<ul> <li>at AC according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC rated value maximum</li> <li>at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum</li> <li>supply voltage frequency rated value</li> <li>by Hz</li> <li>Protection class</li> <li>IP20, with connected conductors, IP 40 in the handle range</li> </ul>	value range of the supply voltage frequency	50/60 Hz
maximum  • at DC rated value maximum  • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value  Protection class  protection class IP  IP20, with connected conductors, IP 40 in the handle range	operating voltage	
at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value  50 Hz  Protection class  protection class IP  IP20, with connected conductors, IP 40 in the handle range		277 V
5-02 maximum  • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum  supply voltage frequency rated value  50 Hz  Protection class  protection class IP  IP20, with connected conductors, IP 40 in the handle range	<ul> <li>at DC rated value maximum</li> </ul>	60 V
5-02 maximum supply voltage frequency rated value  50 Hz  Protection class protection class IP  IP20, with connected conductors, IP 40 in the handle range		60 V
Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range		125 V
protection class IP IP20, with connected conductors, IP 40 in the handle range	supply voltage frequency rated value	50 Hz
, , , , , , , , , , , , , , , , , , ,	Protection class	
Breaking Capacity	protection class IP	IP20, with connected conductors, IP 40 in the handle range
	Breaking Capacity	

switching capacity current	
<ul> <li>according to EN 60898 rated value</li> </ul>	10 kA
according to IEC 60947-2 rated value	15 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	3.7 W
Main circuit	
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	480/277
suitability for operation	Infrastructure / Industry
Product details	
product component	
<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
neutral conductor switching	No
product feature	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
product extension installable supplementary devices	Yes
Product function	
set values setting current (li) for I-tripping	7,5
reference value setting current (li) for I-tripping	x In
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
Short circuit	
short-circuit current breaking capacity (Icn) at AC according to UL 1077 and CSA C22.2 No.235	10 kA
Connections	
connectable conductor cross-section finely stranded with core end processing	
• minimum	0.75 mm²
maximum	25 mm²
tightening torque with screw-type terminals maximum	3.5 N·m
position of power supply cord	Any
Mechanical Design	
height	121 mm
width	18 mm
depth	70
· ( ) ( ) ( )	70 mm
installation depth	70 mm
installation depth number of modular width units	
·	70 mm
number of modular width units	70 mm 1
number of modular width units fastening method mounting position	70 mm  1  on standard mounting rail any
number of modular width units fastening method	70 mm  1 on standard mounting rail
number of modular width units fastening method mounting position net weight	70 mm  1  on standard mounting rail any
number of modular width units fastening method mounting position net weight Environmental conditions	70 mm 1 on standard mounting rail any 175 g IEC / EN 60947-2 / UL 489
number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance	70 mm  1 on standard mounting rail any 175 g
number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6	70 mm  1 on standard mounting rail any 175 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance	70 mm  1 on standard mounting rail any 175 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
number of modular width units fastening method mounting position net weight  Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum	70 mm  1 on standard mounting rail any 175 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz  55 °C
number of modular width units  fastening method  mounting position  net weight  Environmental conditions  standard  vibration resistance  vibration resistance according to IEC 60068-2-6  ambient temperature during operation  • minimum  • maximum	70 mm  1 on standard mounting rail any 175 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz  55 °C -25 °C
number of modular width units  fastening method  mounting position  net weight  Environmental conditions  standard  vibration resistance  vibration resistance according to IEC 60068-2-6  ambient temperature during operation  • minimum  • maximum  ambient temperature during operation	70 mm  1 on standard mounting rail any 175 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz  55 °C
number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum ambient temperature during operation ambient temperature during storage	70 mm  1 on standard mounting rail any 175 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz  55 °C -25 °C max. 95% humidity
number of modular width units fastening method mounting position net weight  Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum ambient temperature during operation ambient temperature during storage • minimum	70 mm  1 on standard mounting rail any 175 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz  55 °C -25 °C max. 95% humidity  -40 °C
number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum ambient temperature during operation ambient temperature during storage	70 mm  1 on standard mounting rail any 175 g  IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec) ±1 mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz  55 °C -25 °C max. 95% humidity



Confirmation









Test Certificates other Environment
-------------------------------------

Special Test Certific-

**Miscellaneous** 

Confirmation

**Environmental Confirmations** 

Environmental Con-firmations

Information on the packaging

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

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SJ4135-7HG42

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4135-7HG4

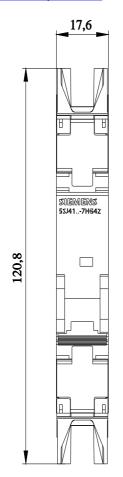
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4135-7HG42">http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SJ4135-7HG42</a>

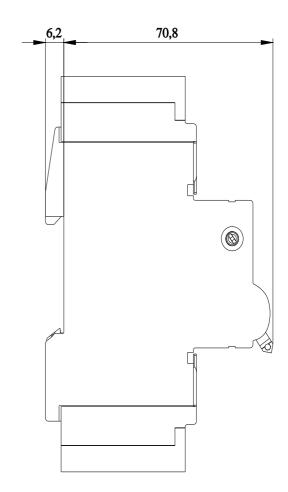
**CAx-Online-Generator** 

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





last modified:

3/12/2024

