Data sheet

SIEMENS

5SJ4304-7HG42-Z W13



Circuit breaker 10kA, 3-pole, C, 4 A according to UL 489-480Y/277V Multi-Unit Packaging (24 Stück)

Figure similar

product designation	C WILLIAM CO.	
product designation Miniature circuit breakers design of the product Miniature circuit-breaker SSJ4 General behinical data number of poles 3 design of pole 3P tripping characteristic class C mechanical service life (operating cycles) typical 10 000 Installation environment regarding EMC Suitable for environment B (immunity to interference not applicable) reference code according to DIN 40719 extended according to IEC 242-2 according to IEC 750 overvoltage category 3 degree of pollution 3 Voitage insulation voltage (II) at AC rated value 440 V operational current 440 ° C rated value 440 ° e at 40 ° C rated value 4A ° e at 50 ° C rated value 4A ° e at 60 ° C rated value 3.8 A ° e at 60 ° C rated value 4A ° e at 60 ° C rated value 4A ° e at 60 ° C rated value 4A ° e at 60 ° C rated value 4A ° e at 60 ° C rated value 4A ° e at C rated value 4A ° e at C rated value 50 ° C rated value 60 ° e at AC rat	Model	
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at AC rated value at AC rated value supply voltage supply voltage at AC at DC rated value at AC brace 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 2-channel according to UL 489 and CSA C22.2 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 supply voltage frequency rated value Protection class protection class IP	• at 50 °C rated value	3.8 A
at AC rated value	• at 55 °C rated value	3.7 A
Supply voltage • 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 3-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 9-channel according to UL 489 and CSA C22.2 No. 5-02 maximum to the total case of the total case	 at 60 °C rated value 	3.6 A
supply voltage • at AC • at DC rated value 60 V value range of the supply voltage frequency operating voltage • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC rated value maximum • at DC 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 50 Hz Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range	at AC rated value	4 A
at AC at DC rated value 60 V value range of the supply voltage frequency operating voltage at AC according to UL 489 and CSA C22.2 No. 5-02 maximum at DC rated value maximum at DC 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 protection class protection class IP IP20, with connected conductors, IP 40 in the handle range	Supply voltage	
 at DC rated value value range of the supply voltage frequency 50/60 Hz operating voltage at AC according to UL 489 and CSA C22.2 No. 5-02 maximum at DC rated value maximum at DC 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 50 Hz Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range 	supply voltage	
value range of the supply voltage frequency operating voltage • at AC according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC rated value maximum • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value 50 Hz 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 Frotection class protection class IP IP20, with connected conductors, IP 40 in the handle range	at DC rated value	60 V
 at AC according to UL 489 and CSA C22.2 No. 5-02 maximum at DC rated value maximum at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value Protection class IP20, with connected conductors, IP 40 in the handle range 	value range of the supply voltage frequency	50/60 Hz
maximum • at DC rated value maximum • at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum • 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 Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range		277 V
5-02 maximum • at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum supply voltage frequency rated value 50 Hz Protection class protection class IP IP20, with connected conductors, IP 40 in the handle range	at DC rated value maximum	60 V
5-02 maximum supply voltage frequency rated value 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	
 according to EN 60898 rated value 	10 kA
 according to IEC 60947-2 rated value 	15 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.8 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 feature touch protection	Yes
product component	
 tunnel terminals top 	No
 tunnel terminals bottom 	No
combined terminal top	Yes
 combined terminal bottom 	Yes
 neutral conductor switching 	No
product feature	
halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
product extension installable supplementary devices	Yes
Product function	
set values setting current (li) for I-tripping	7,5
reference value setting current (li) for I-tripping	x In
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
Short circuit	Terminal agricining torque for out, 50770 0, 0.01411/0110.111
short-circuit current breaking capacity (Icn) at AC according to	10 kA
UL 1077 and CSA C22.2 No.235	IO NA
Connections	
connectable conductor cross-section finely stranded with	
core end processing	
• minimum	0.8 mm ²
maximum	25 mm ²
tightening torque with screw-type terminals maximum	3.5 N·m
position of power supply cord	3.5 N·m Any
position of power supply cord	
position of power supply cord Mechanical Design	Any
position of power supply cord Mechanical Design height	Any 121 mm
position of power supply cord Mechanical Design height width depth installation depth	Any 121 mm 54 mm
position of power supply cord Mechanical Design height width depth	Any 121 mm 54 mm 70 mm
position of power supply cord Mechanical Design height width depth installation depth	Any 121 mm 54 mm 70 mm 70 mm
position of power supply cord Mechanical Design height width depth installation depth number of modular width units	Any 121 mm 54 mm 70 mm 3
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method	Any 121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position	Any 121 mm 54 mm 70 mm 3 on standard mounting rail any
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight	Any 121 mm 54 mm 70 mm 3 on standard mounting rail any
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions	Any 121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 473 g
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions standard	Any 121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 473 g IEC / EN 60947-2 / UL 489
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance	Any 121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 473 g IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6	Any 121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 473 g IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation	Any 121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 473 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
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum	Any 121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 473 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 -25 °C
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum	Any 121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 473 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 -25 °C 55 °C
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum ambient temperature during operation	Any 121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 473 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 -25 °C 55 °C
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum ambient temperature during storage	121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 473 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 -25 °C 55 °C max. 95% humidity
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum ambient temperature during storage • minimum	121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 473 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 -25 °C 55 °C max. 95% humidity -40 °C
position of power supply cord Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum ambient temperature during storage • minimum • maximum	121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 473 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 -25 °C 55 °C max. 95% humidity -40 °C



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

Confirmation

Miscellaneous

Environment

Environmental Con**firmations**

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=5SJ4304-7HG42-Z W13

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4304-7HG42-Z W13

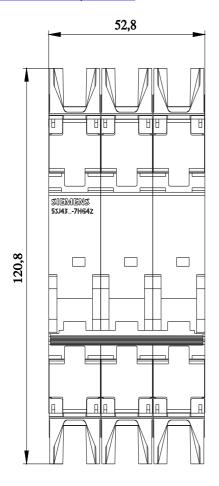
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4304-7HG42-Z W13

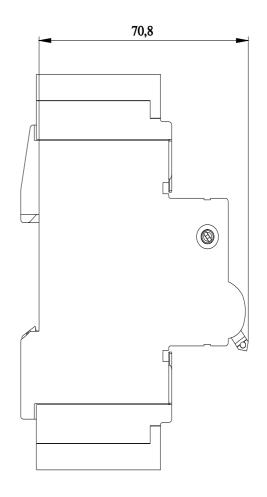
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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8/22/2024

