5SJ4306-7HG42-Z W13

Data sheet



Circuit breaker 10kA, 3-pole, C, 6A according to UL 489-480Y/277V Multi-Unit Packaging (24 Stück)

Figure similar

Model	
product brand name	SENTRON
product designation	Miniature circuit breakers
design of the product	Miniature circuit-breaker 5SJ4
General technical data	
number of poles	3
design of pole	3P
tripping characteristic class	С
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 204-2 according to IEC 750	F
overvoltage category	3
degree of pollution	3
Voltage	
insulation voltage (Ui) at AC rated value	440 V
operational current	
• at 30 °C rated value	6 A
• at 40 °C rated value	6 A
 at 50 °C rated value 	5.7 A
• at 55 °C rated value	5.6 A
• at 60 °C rated value	5.4 A
at AC rated value	6 A
Supply voltage	
supply voltage	
• at AC	400 V
at DC rated value	60 V
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 	277 V
at DC rated value maximum	60 V
 at DC 1-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 	60 V
 at DC 2-channel according to UL 489 and CSA C22.2 No. 5-02 maximum 	125 V
supply voltage frequency rated value	50 Hz
Protection class	
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	2.7 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 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 ln
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
Short circuit	Terminal lightening torque for Cu, 00/73 C, 3.5Min/3 hb.iii
	401.4
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	0.8 mm²
maximum	25 mm²
tightening torque with screw-type terminals maximum	3.5 N⋅m
position of power supply cord	Any
position of power supply cord Mechanical Design	Any
	Any 121 mm
Mechanical Design	
Mechanical Design height	121 mm
Mechanical Design height width	121 mm 54 mm
Mechanical Design height width depth	121 mm 54 mm 70 mm
Mechanical Design height width depth installation depth	121 mm 54 mm 70 mm
Mechanical Design height width depth installation depth number of modular width units	121 mm 54 mm 70 mm 70 mm 3
Mechanical Design height width depth installation depth number of modular width units fastening method	121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail
Mechanical Design height width depth installation depth number of modular width units fastening method mounting position	121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any
Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight	121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any
Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions	121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 500 g IEC / EN 60947-2 / UL 489
Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions standard vibration resistance	121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 500 g IEC / EN 60947-2 / UL 489 50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
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	121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 500 g IEC / EN 60947-2 / UL 489
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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	121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 500 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
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	121 mm 54 mm 70 mm 70 mm 3 on standard mounting rail any 500 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
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Special Test Certific-<u>ate</u>

Confirmation

Miscellaneous

Environment

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=5SJ4306-7HG42-Z W13

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4306-7HG42-Z W13

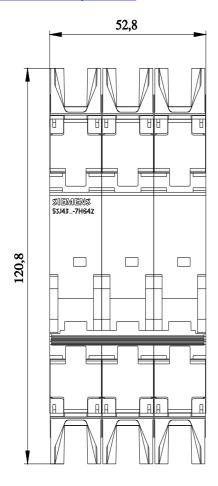
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4306-7HG42-Z W13

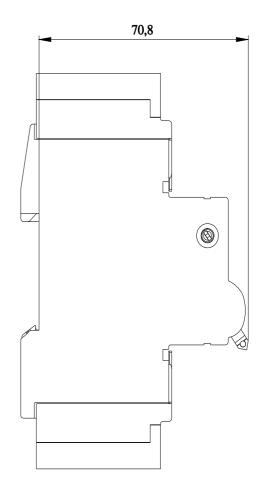
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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