SIEMENS

Data sheet 5SJ4303-7HG42



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

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
tripping characteristic class	С
mechanical service life (switching 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	
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
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 / single 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
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	1.8 W
Current	
operational current	
• at 30 °C / rated value	3 A
 at 40 °C / rated value 	3 A

 at 45 °C / rated value 	2.9 A
 at 50 °C / rated value 	2.8 A
 at 55 °C / rated value 	2.7 A
 at 60 °C / rated value 	2.6 A
at AC / rated value	3 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 / neutral conductor switching	No
product feature / touch protection	Yes
product component	
tunnel terminals top	No
tunnel terminals bottom	No
combined terminal top	Yes
combined terminal bottom	Yes
product feature	
halogen-free	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/31lb.in
·	Terminal lightening torque for Cu, 00/13 C, 3.3NIII/3 IIB.III
Short circuit	40 1-4
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 mm ²
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	494 g
Environmental conditions	
vibration resistance	50 m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
ambient temperature / during operation	
• minimum	55 °C
• maximum	33 6
	-25 °C
ambient temperature / during storage	
ambient temperature / during storage • minimum	
	-25 °C
• minimum	-25 °C -40 °C
minimum maximum	-25 °C -40 °C
 minimum maximum Certificates reference code 	-25 °C -40 °C
minimum maximum Certificates reference code according to EN 61346-2	-25 °C -40 °C 75 °C
 minimum maximum Certificates reference code 	-25 °C -40 °C 75 °C



Confirmation









Declaration of Conformity

Test Certificates

other



Special Test Certificate

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=5SJ4303-7HG42

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4303-7HG42

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

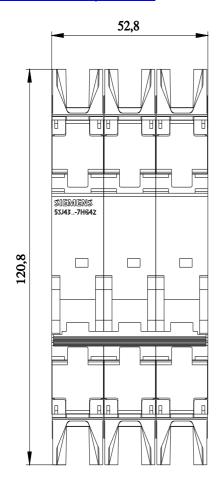
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4303-7HG42

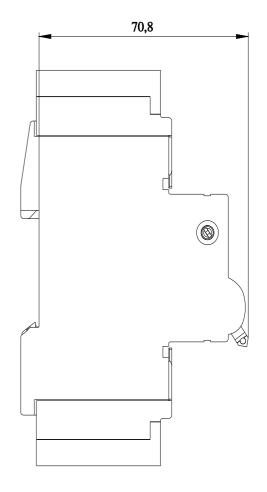
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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