SIEMENS

Data sheet 5SJ4363-8HG41



Miniature circuit breaker 240 V 10kA, 3-pole, D, 63 A, D=70 mm according to UL 489 $\,$

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	D
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
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 	240 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	7.1 W
Current	
operational current	
at 30 °C rated value	63 A

 at 40 °C rated value 	63 A
 at 45 °C rated value 	61.7 A
 at 50 °C rated value 	60.4 A
 at 55 °C rated value 	59.1 A
 at 60 °C rated value 	58 A
at AC rated value	63 A
Main circuit	
type of voltage supply at AC according to UL 489 and CSA C22.2 No. 5-02	240
suitability for operation	Mechanical engineering / industry
Product details	
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	
product function note	Terminal tightening torque for Cu, 60/75°C; 3.5Nm/31lb.in
Short circuit	Terminal agriculting torque for out, 50/70 0, 5.5/4/1/6/115.111
	40 kA
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 mm ²
maximum	25 mm²
tightening torque with screw-type terminals maximum	3.5 N·m
position of power supply cord	Any
Mechanical Design	
height	110 mm
width	54 mm
depth	70 mm
installation depth	70 mm
installation depth number of modular width units	70 mm 3
number of modular width units	3
number of modular width units fastening method	on standard mounting rail
number of modular width units fastening method mounting position	on standard mounting rail any
number of modular width units fastening method mounting position net weight	on standard mounting rail any 504 g
number of modular width units fastening method mounting position net weight Environmental conditions vibration resistance	on standard mounting rail any 504 g 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 vibration resistance vibration resistance according to IEC 60068-2-6	on standard mounting rail any 504 g
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number of modular width units fastening method mounting position net weight Environmental conditions vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation	on standard mounting rail any 504 g 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
number of modular width units fastening method mounting position net weight Environmental conditions vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum	on standard mounting rail any 504 g 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
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number of modular width units fastening method mounting position net weight Environmental conditions vibration resistance vibration resistance according to IEC 60068-2-6 ambient temperature during operation • minimum • maximum ambient temperature during operation ambient temperature during storage	on standard mounting rail any 504 g 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
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number of modular width units fastening method mounting position net weight Environmental conditions 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 • maximum Certificates reference code • according to EN 61346-2	on standard mounting rail any 504 g 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
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Confirmation









Test Certificates

other

Miscellaneous

Special Test Certificate Miscellaneous

Environmental Confirmations

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=5SJ4363-8HG41

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

https://support.industry.siemens.com/cs/ww/en/ps/5SJ4363-8HG41

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

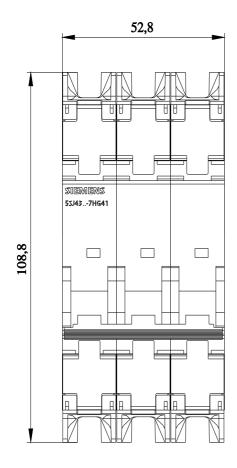
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ4363-8HG41

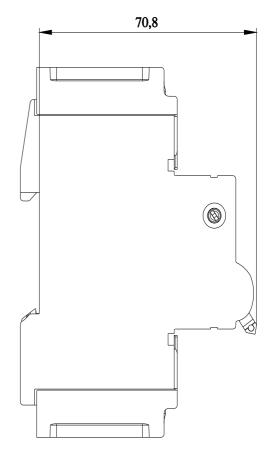
CAx-Online-Generator

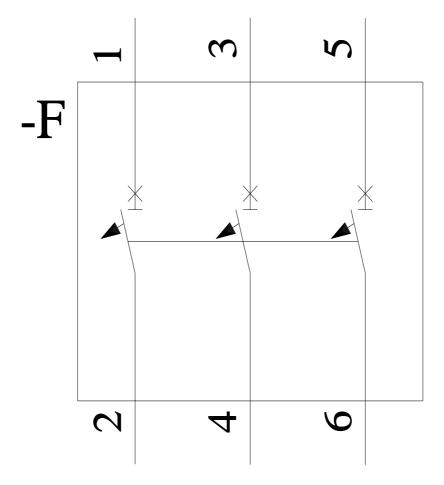
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







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