

GAF460-10-11-71



Products → Low Voltage Products and Systems → Control Products → Contactors → Block Contactors

General Information

Extended Product Type:	GAF460-10-11-71
Product ID:	1SFL597025R7111
EAN:	7320500383988
Catalog Description:	GAF460-10-11 250-500V 50/60Hz / 250-500V DC Contactor
Long Description:	A 3-pole Contactor suitable for DC-1 applications where all three poles must be connected in series in a 1-pole configuration up to max 1000 VDC. Operated with wide control voltage range 250-500 V, AC/DC

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Popular Downloads

Data Sheet, Technical Information:	1SFC101004B0201
Instructions and Manuals:	1SFC101045M9701
Dimension Diagram:	53540919-59

Dimensions

Product Net Width:	186.0 mm
Product Net Depth:	216.0 mm
Product Net Height:	278.0 mm
Product Net Weight:	10.900 kg

Technical

Number of Main Contacts NO:	1
Number of Main Contacts NC:	0
Number of Auxiliary Contacts NO:	1
Number of Auxiliary Contacts NC:	1
Rated Operational Voltage:	Main Circuit 1000 V
Conventional Free-air Thermal Current (I_{th}):	acc. to IEC 60947-4-1, Open Contactors $q = 40$ °C 700 A

Rated Operational Current DC-1 (I_e):	(220 V) 3 Poles in Series, 40 °C 700 A (400 V) 3 Poles in Series, 40 °C 700 A (600 V) 3 Poles in Series, 40 °C 700 A (1000 V) 3 Poles in Series, 40 °C 700 A (220 V) 3 Poles in Series, 55 °C 600 A (400 V) 3 Poles in Series, 55 °C 600 A (600 V) 3 Poles in Series, 55 °C 600 A (1000 V) 3 Poles in Series, 55 °C 600 A (220 V) 3 Poles in Series, 70 °C 480 A (400 V) 3 Poles in Series, 70 °C 480 A (600 V) 3 Poles in Series, 70 °C 480 A (1000 V) 3 Poles in Series, 70 °C 480 A
Rated Insulation Voltage (U_i):	acc. to UL/CSA 1000 V
Rated Impulse Withstand Voltage (U_{imp}):	Main Circuit 8 kV
Mechanical Durability:	5 million
Maximum Mechanical Switching Frequency:	300 cycles per hour
Coil Operating Limits:	(acc. to IEC 60947-4-1) 0.85 x U _c Min. ... 1.1 x U _c Max. (at $\theta \leq 70$ °C) °C
Rated Control Circuit Voltage (U_c):	60 Hz 250 ... 500 V 50 Hz 250 ... 500 V DC Operation 250 ... 500 V
Coil Consumption:	Pull-in at Max. Rated Control Circuit Voltage 60 Hz 890 V·A Holding at Max. Rated Control Circuit Voltage DC 4 W Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Pull-in at Max. Rated Control Circuit Voltage DC 990 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 890 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 12 V·A
Connecting Capacity Main Circuit:	Rigid Al-Cable 240 mm ² Bar 47 mm Rigid Cu-Cable 240 mm ²
Connecting Capacity Auxiliary Circuit:	Solid 1 x 1 ... 4 mm ² Flexible with Insulated Ferrule 2 x 0.75 ... 2.5 mm ² Stranded 2 x 1 ... 4 mm ² Flexible 2x0.75 ... 2.5 mm ² Flexible with Ferrule 2 x 0.75 ... 2.5 mm ²
Degree of Protection:	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
Terminal Type:	Main Circuit: Bars
Environmental	
Ambient Air Temperature:	Storage -40 ... +70 °C Operation -40 ... +70 °C
Maximum Operating Altitude Permissible:	3000 m

Resistance to Shock acc. to IEC 60068-2-27:	Shock Direction: A 5 g
	Shock Direction: C2 5 g
	Shock Direction: C1 5 g
	Shock Direction: B2 5 g
	Shock Direction: B1 5 g

RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment
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Technical UL/CSA

Maximum Operating Voltage	Main Circuit 600 V
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UL/CSA:

General Use Rating UL/CSA:	(440 V DC) 650 A
	(600 V DC) 650 A
	(1000 V DC) 650 A

Certificates and Declarations (Document Number)

CB Certificate:	SEMKO_SE-66699
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CCC Certificate:	CQC_2012010304547008
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cUL Certificate:	20130517-E73397
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Declaration of Conformity - CE:	2CMT003419
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Environmental Information:	1SFC101066D0201
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Instructions and Manuals:	1SFC101045M9701
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RoHS Information:	1SFC101067D0201
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UL Listing Card:	UL_E73397
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Container Information

Package Level 1 Units:	1 piece
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Package Level 1 Width:	260 mm
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Package Level 1 Length:	250 mm
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Package Level 1 Height:	350 mm
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Package Level 1 Gross Weight:	12 kg
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Package Level 1 EAN:	7320500383988
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Classifications

Object Classification Code:	Q
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ETIM 4:	EC002552 - Power contactor, DC switching
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ETIM 5:	EC002552 - Power contactor, DC switching
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ETIM 6:	EC002552 - Power contactor, DC switching
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UNSPSC:	39121529
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