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**PRODUCT-DETAILS****GAF750-10-11-68****GAF750-10-11 24-60V DC Contactor**

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**General Information**

Extended Product Type	GAF750-10-11-68
Product ID	1SFL637025R6811
EAN	7320500400838
Catalog Description	GAF750-10-11 24-60V 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 24-60 V, DC

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**Ordering**

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

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**Popular Downloads**

Data Sheet, Technical Information	1SBC100214C0202
Instructions and	1SFC101045M9701

**Manuals**

CAD Dimensional

2CDC001079B0201

Drawing

Dimension Diagram

53540919-60

**Dimensions**

Product Net Width

210 mm

Product Net Depth /  
Length

242 mm

Product Net Height

283 mm

Product Net Weight

14 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<sub>th</sub>)

acc. to IEC 60947-4-1, Open Contactors Θ = 40 °C 1050 A

Rated Operational  
Current DC-1 (I<sub>e</sub>)(1000 V) 3 Poles in Series, 40 °C 1050 A  
(1000 V) 3 Poles in Series, 55 °C 875 A  
(1000 V) 3 Poles in Series, 70 °C 720 A  
(220 V) 3 Poles in Series, 40 °C 1050 A  
(220 V) 3 Poles in Series, 55 °C 875 A  
(220 V) 3 Poles in Series, 70 °C 720 A  
(400 V) 3 Poles in Series, 40 °C 1050 A  
(400 V) 3 Poles in Series, 55 °C 875 A  
(400 V) 3 Poles in Series, 70 °C 720 A  
(600 V) 3 Poles in Series, 40 °C 1050 A  
(600 V) 3 Poles in Series, 55 °C 875 A  
(600 V) 3 Poles in Series, 70 °C 720 ARated Insulation Voltage  
(U<sub>i</sub>)

acc. to UL/CSA 1000 V

Rated Impulse  
Withstand Voltage (U<sub>imp</sub>)

Main Circuit 8 kV

Mechanical Durability

3 million

Maximum Mechanical  
Switching Frequency

300 cycles per hour

Coil Operating Limits

(acc. to IEC 60947-4-1) 0.85 x Uc Min. ... 1.1 x Uc Max. (at Θ ≤ 70 °C)

Rated Control Circuit  
Voltage (U<sub>c</sub>)

DC Operation 24 ... 60 V

Coil Consumption

Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V-A  
Holding at Max. Rated Control Circuit Voltage 60 Hz 12 V-A  
Holding at Max. Rated Control Circuit Voltage DC 4.5 W  
Pull-in at Max. Rated Control Circuit Voltage 50 Hz 850 V-A  
Pull-in at Max. Rated Control Circuit Voltage 60 Hz 850 V-A  
Pull-in at Max. Rated Control Circuit Voltage DC 950 V-AConnecting Capacity  
Main CircuitBar 52 mm<sup>2</sup>  
Rigid Al-Cable 300 mm<sup>2</sup>  
Rigid Cu-Cable 300 mm<sup>2</sup>Connecting Capacity  
Auxiliary CircuitFlexible with Ferrule 1x 0.75 ... 2.5 mm<sup>2</sup>  
Flexible with Insulated Ferrule 2x 0.75 ... 2.5 mm<sup>2</sup>

Degree of Protection	Flexible 2x0.75 ... 2.5 mm <sup>2</sup> Solid 2 x 1 ... 4 mm <sup>2</sup> Stranded 2 x 1 .... 4 mm <sup>2</sup> 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

## Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
General Use Rating UL/CSA	(1000 V DC) 900 A (440 V DC) 900 A (600 V DC) 900 A

## Environmental

Ambient Air Temperature	Operation -40 ... 70 °C Storage -40 ... +70 °C
Maximum Operating Altitude Permissible	Without Derating 3000 m
Resistance to Shock acc. to IEC 60068-2-27	Shock Direction: A 5 g Shock Direction: B1 5 g Shock Direction: B2 5 g Shock Direction: C1 5 g Shock Direction: C2 5 g

## Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

## Certificates and Declarations

CB Certificate	SEMKO_SE-70018
CQC Certificate	CQC2013010304595900
Declaration of Conformity - CCC	2020980304001858
Declaration of Conformity - CE	2CMT003517
Declaration of Conformity - UKCA	2CMT2020-006118
EAC Certificate	9AKK107046A8618
UL Certificate	20130524-E73397
UL Listing Card	UL_E73397

## Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	280 mm
Package Level 1 Depth / Length	375 mm
Package Level 1 Height	310 mm
Package Level 1 Gross Weight	15 kg
Package Level 1 EAN	7320500400838

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## Classifications

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Object Classification Code	Q
ETIM 7	EC002552 - Power contactor, DC switching
ETIM 8	EC002552 - Power contactor, DC switching
ETIM 9	EC002552 - Power contactor, DC switching
eClass	V11.0 : 27371018
UNSPSC	39121529
IDEA Granular Category Code (IGCC)	4763 >> Power contactor, DC switching

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## Categories

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Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → GA Contactors → GAF750

