

GAF300-10-11-69



GAF300-10-11 48-130V 50/60Hz / 48-130V DC Contactor

General Information

Extended Product Type	GAF300-10-11-69
Product ID	1SFL557025R6911
EAN	7320500400869
Catalog Description	GAF300-10-11 48-130V 50/60Hz / 48-130V 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 48-130 V, AC/DC

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC100192C0206
Instructions and Manuals	1SFC101046M0201
Dimension Diagram	53540930-2

Dimensions

Product Net Width	140 mm
Product Net Depth / Length	180.5 mm
Product Net Height	227 mm
Product Net Weight	5.8 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 500 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 3000 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 2500 A
Rated Operational Current DC-1 (I_e)	(220 V) 3 Poles in Series, 40 °C 500 A

	(400 V) 3 Poles in Series, 40 °C 500 A (600 V) 3 Poles in Series, 40 °C 500 A (1000 V) 3 Poles in Series, 40 °C 500 A (220 V) 3 Poles in Series, 55 °C 400 A (400 V) 3 Poles in Series, 55 °C 400 A (600 V) 3 Poles in Series, 55 °C 400 A (1000 V) 3 Poles in Series, 55 °C 400 A (220 V) 3 Poles in Series, 70 °C 325 A (400 V) 3 Poles in Series, 70 °C 325 A (600 V) 3 Poles in Series, 70 °C 325 A (1000 V) 3 Poles in Series, 70 °C 325 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 θ ≤ 70 °C) °C
Rated Control Circuit Voltage (U _c)	60 Hz 48 ... 130 V 50 Hz 48 ... 130 V DC Operation 48 ... 130 V
Coil Consumption	Pull-in at Max. Rated Control Circuit Voltage 60 Hz 470 V·A Holding at Max. Rated Control Circuit Voltage DC 2 W Holding at Max. Rated Control Circuit Voltage 50 Hz 10 V·A Pull-in at Max. Rated Control Circuit Voltage DC 520 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 470 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 10 V·A
Connecting Capacity Main Circuit	Rigid Al-Cable 2 x 95 ... 120 mm ² Bar 32 mm Rigid Cu-Cable 16 ... 240 mm ²
Connecting Capacity Auxiliary Circuit	Solid 2 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 1 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 2011/65/EU

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
General Use Rating UL/CSA	(440 V DC) 400 A (600 V DC) 400 A (1000 V DC) 400 A

Certificates and Declarations (Document Number)

CB Certificate	SEMKO_SE-70017
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CCC Certificate	CQC_2013010304595899
Declaration of Conformity - CE	2CMT003517
EAC Certificate	9AKK107046A8618
Environmental Information	1SFC101066D0201
Instructions and Manuals	1SFC101046M0201
RoHS Information	2CMT2016-005489
UL Listing Card	UL_E73397

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	200 mm
Package Level 1 Depth / Length	220 mm
Package Level 1 Height	280 mm
Package Level 1 Gross Weight	5.8 kg
Package Level 1 EAN	7320500400869

Classifications

Object Classification Code	Q
ETIM 4	EC002552 - Power contactor, DC switching
ETIM 5	EC002552 - Power contactor, DC switching
ETIM 6	EC002552 - Power contactor, DC switching
ETIM 7	EC002552 - Power contactor, DC switching
UNSPSC	39121529

Categories

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

