



PRODUCT-DETAILS

GAF1250-10-11-70

GAF1250-10-11 100-250V 50/60Hz / 100-250V
DC Contactor



General Information	
Extended Product Type	GAF1250-10-11-70
Product ID	1SFL647025R7011
EAN	7320500400791
Catalog Description	GAF1250-10-11 100-250V 50/60Hz / 100-250V 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 100-250 V, AC/DC

Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads	
Data Sheet, Technical Information	1SBC100192C0206
Instructions and	1SFC101045M9701

Manuals

CAD Dimensional
Drawing

2CDC001079B0201

Dimensions

Product Net Width	210 mm
Product Net Depth / Length	242 mm
Product Net Height	344 mm
Product Net Weight	15 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 $\Theta = 40\text{ °C}$ 1260 A
Rated Operational Current DC-1 (I_e)	(1000 V) 3 Poles in Series, 40 °C 1250 A (1000 V) 3 Poles in Series, 55 °C 1040 A (1000 V) 3 Poles in Series, 70 °C 875 A (220 V) 3 Poles in Series, 40 °C 1250 A (220 V) 3 Poles in Series, 55 °C 1040 A (220 V) 3 Poles in Series, 70 °C 875 A (400 V) 3 Poles in Series, 40 °C 1250 A (400 V) 3 Poles in Series, 55 °C 1040 A (400 V) 3 Poles in Series, 70 °C 875 A (600 V) 3 Poles in Series, 40 °C 1250 A (600 V) 3 Poles in Series, 55 °C 1040 A (600 V) 3 Poles in Series, 70 °C 875 A
Rated Insulation Voltage (U_i)	acc. to UL/CSA 1000 V
Rated Impulse Withstand Voltage (U_{imp})	Main Circuit 8 kV
Mechanical Durability	0.5 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 $\Theta \leq 70\text{ °C}$)
Rated Control Circuit Voltage (U_c)	50 Hz 100 ... 250 V 60 Hz 100 ... 250 V DC Operation 100 ... 250 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·A
Connecting Capacity Main Circuit	Bar 50 mm ²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible 2x0.75 ... 2.5 mm ²

	Solid 2 x 1 ... 4 mm ² Stranded 2 x 1 4 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

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
General Use Rating UL/CSA	(1000 V DC) 1210 A (440 V DC) 1210 A (600 V DC) 1210 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-67143
CQC Certificate	CQC2012010304562753
Declaration of Conformity - CCC	2020980304001541
Declaration of Conformity - CE	2CMT003517
Declaration of Conformity - UKCA	2CMT2020-006118
EAC Certificate	9AKK107046A8618
UL Certificate	9AKK107046A9916
UL Listing Card	UL_E73397

Container Information

Package Level 1 Units	box 1 piece
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Package Level 1 Width	280 mm
Package Level 1 Depth / Length	375 mm
Package Level 1 Height	310 mm
Package Level 1 Gross Weight	16 kg
Package Level 1 EAN	7320500400791

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

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → GA Contactors → GAF1250

