

PRODUCT-DETAILS

GAF2050-10-11-70

GAF2050-10-11 100-250V 50/60Hz/DC

Contactor



General Information

Extended Product Type	GAF2050-10-11-70
Product ID	1SFL707025R7011
EAN	7320500408254
Catalog Description	GAF2050-10-11 100-250V 50/60Hz/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 Manuals	1SFC101047M9701
Dimension Diagram	53540930-7

Dimensions

Product Net Width	438 mm
Product Net Depth / Length	244 mm
Product Net Height	392 mm
Product Net Weight	33 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 2050 A
Rated Operational Current DC-1 (I_e)	(1000 V) 3 Poles in Series, 40 °C 2050 A (1000 V) 3 Poles in Series, 55 °C 1750 A (1000 V) 3 Poles in Series, 70 °C 1500 A (220 V) 3 Poles in Series, 40 °C 2050 A (220 V) 3 Poles in Series, 55 °C 1750 A (220 V) 3 Poles in Series, 70 °C 1500 A (400 V) 3 Poles in Series, 40 °C 2050 A (400 V) 3 Poles in Series, 55 °C 1750 A (400 V) 3 Poles in Series, 70 °C 1500 A (600 V) 3 Poles in Series, 40 °C 2050 A (600 V) 3 Poles in Series, 55 °C 1750 A (600 V) 3 Poles in Series, 70 °C 1500 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 $\theta \leq 70$ °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 48 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 48 V·A Holding at Max. Rated Control Circuit Voltage DC 16 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 1900 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 1900 V·A Pull-in at Max. Rated Control Circuit Voltage DC 1700 W
Connecting Capacity Main Circuit	Bar 100 mm²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 2x 0.75 ... 2.5 mm² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm² Flexible 2x0.75 ... 2.5 mm² Solid 2 x 1 ... 4 mm² Stranded 2 x 1 ... 4 mm²
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) 2050 A
(440 V DC) 2050 A
(600 V DC) 2050 A

Environmental

Ambient Air Temperature

Operation -40 ... +80 °C
Storage -40 ... +70 °CMaximum Operating
Altitude Permissible

3000 m

RoHS Status

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Certificates and Declarations (Document Number)

CB Certificate

SEMKO_SE-76673

CCC Certificate

CQC_2012010304550984

CQC Certificate

CQC2012010304550984

cUL Certificate

9AKK107046A9917

Declaration of Conformity
- CCC

2020980304001789

Declaration of Conformity
- CE

2CMT003517

EAC Certificate

9AKK107046A8618

Environmental Information

1SFC101066D0201

Instructions and Manuals

1SFC101047M9701

RoHS Information

2CMT003517

UL Listing Card

UL_E73397

Container Information

Package Level 1 Units

box 1 piece

Package Level 1 Width

555 mm

Package Level 1 Depth /
Length

365 mm

Package Level 1 Height

500 mm

Package Level 1 Gross
Weight

35 kg

Package Level 1 EAN

7320500408254

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
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

