



Electric Automation
Automation specialists

Reference: GAF2050-10-11
Code: 1SFL707025R7011

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

Buy it at Electric Automation Network



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

EAN:	7320500408254
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Dimensions

Product Net Width:	438.0 mm
Product Net Depth:	244.0 mm
Product Net Height:	392.0 mm
Product Net Weight:	33.000 kg

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	250 mm
Package Level 1 Length:	440 mm
Package Level 1 Height:	430 mm

Package Level 1 Gross Weight:	35 kg
Package Level 1 EAN:	7320500408254

Technical

Number of Main Contacts NO:	3
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) 2050 A
Rated Insulation Voltage (U_i):	acc. to UL/CSA 600 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 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) $0.85 \times U_c$ Min. ... $1.1 \times U_c$ Max. (at $\theta \leq 70$ °C) °C
Rated Control Circuit Voltage (U_c):	60 Hz 100...250 V 50 Hz 100...250 V DC Operation 100...250 V
Coil Consumption:	Pull-in at Max. Rated Control Circuit Voltage 60 Hz 1900 V·A Holding at Max. Rated Control Circuit Voltage DC 16 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 48 V·A Pull-in at Max. Rated Control Circuit Voltage DC 1700 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 1900 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 48 V·A
Connecting Capacity-Main Circuit:	Bar 100 mm
Connecting Capacity-Auxiliary Circuit:	Solid 2x1...4 mm ² Flexible with Insulated Ferrule 1x0.75...2.5 mm ² Stranded 2x1...4 mm ² Flexible 2x0.75...2.5 mm ² Flexible with Ferrule 2x0.75...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
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Maximum Operating Altitude Permissible:	3000 m
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 600 V
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Certificates and Declarations (Document Number)

CB Certificate:	SE-66760
Declaration of Conformity - CE:	2CMT003767
RoHS Information:	1SFC101068D0201

Classifications

ETIM 5:	EC002552 - Power contactor, DC switching
UNSPSC:	39121529