

Representative Image

Alternate Catalog No. GAF460-10-11-71
Catalog No. 1SFL597025R7111

Description: GAF460-10-11 250-500V 50/60Hz / 250-500V DC Contactor

UPC No 7320500383988

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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 250-500 V, AC/DC

Descriptors

Category	AF Contactors
Block Contactor Type	1-Pole Contactor

Specifications

Product Type	AF
General Use Rating UL/CSA	(1000 V DC) 650 A (440 V DC) 650 A (600 V DC) 650 A
Object Classification Code	Q
Terminal Type	Main Circuit: Bars
Rated Control Circuit Voltage	50 Hz /60 Hz DC Operation 250 ... 500 V
Number of Main Contacts NO	1
Number of Main Contacts NC	0
Maximum Operating Voltage UL/CSA	Main Circuit 600 V
Number of Auxiliary Contacts NO	1
RoHS Status	Following EU Directive 2011/65/EU
Reference Ambient Air Temperature	Operation -40 ... +70 °C Storage -40 ... +70 °C
Rated Operational Voltage	Main Circuit 1000 V
Number of Auxiliary Contacts NC	1
Maximum Operating Altitude Permissible	3000 m
Conventional Free-air Thermal Current	acc. to IEC 60947-4-1, Open Contactors q = 40 °C 700 A
Rated Insulation Voltage	acc. to UL/CSA 1000 V
Mechanical Durability	5 million
Coil Operating Limits	(acc. to IEC 60947-4-1) 0.85 x Uc Min. ... 1.1 x Uc Max. (at θ ≤ 70 °C)
Maximum Mechanical Switching Frequency	300 cycles per hour
Secondary Rated Impulse Withstand Voltage	Main Circuit 8 kV
Connecting Capacity Main Circuit	Bar 47 mm Rigid Al-Cable 240 m² Rigid Cu-Cable 240 m²
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 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 890 V - A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 890 V - A Pull-in at Max. Rated Control Circuit Voltage DC 990 W

by ABB

Specifications

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
Connecting Capacity Auxiliary Circuit	Flexible 2x0.75 ... 2.5 m² Solid 1 x 1 ... 4 m² Stranded 2 x 1 .... 4 m²

Classifications

ETIM 4	EC002552 - Power contactor, DC switching
ETIM 6.0	EC002552 - Power contactor, DC switching
ETIM 7	EC002552 - Power contactor, DC switching
IDEA Granular Category Code (IGCC)	4755 >> Contactors
ETIM 5.0	EC002552 - Power contactor, DC switching

Dimensions

Product Net Weight	10.6 kg
Product Net Depth / Length	216 mm
Product Net Width	186 mm
Product Net Height	278 mm

Package Information

Package Level 1 Width	280 mm
Package Level 1 Height	310 mm
Package Level 1 Depth / Length	375 mm
Package Level 1 EAN	7320500383988
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	12 kg

Ordering

Minimum Order Quantity	1
Customs Tariff Number	85364900