

Alternate Catalog No. GAF1650-10-11-70
Catalog No. 1SFL677025R7011

Description: GAF1650-10-11 100-250V 50/60Hz / 100-250V DC Contactor

UPC No 7320500408810

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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 100-250 V, AC/DC



Representative Image

Descriptors

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|----------------------|------------------|
| Category | AF Contactors |
| Block Contactor Type | 1-Pole Contactor |

Specifications

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|---|--|
| Product Type | AF |
| General Use Rating UL/CSA | (1000 V DC) 1650 A (440 V DC) 1650 A (600 V DC) 1650 A |
| Object Classification Code | Q |
| Terminal Type | Main Circuit: Bars |
| Rated Control Circuit Voltage | 50 Hz /60 Hz DC Operation 100 ... 250 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 1650 A |
| Rated Insulation Voltage | acc. to UL/CSA 1000 V |
| Mechanical Durability | 0.5 million |
| Coil Operating Limits | (acc. to IEC 60947-4-1) 0.85 x Uc Min. ... 1.1 x Uc Max. (at $\theta \leq 70$ °C) |
| Maximum Mechanical Switching Frequency | 300 cycles per hour |
| Secondary Rated Impulse Withstand Voltage | Main Circuit 8 kV |
| Connecting Capacity Main Circuit | Bar 100 mm |
| 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 V - A 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 V - A |
| 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 |

Specifications

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|---------------------------------------|---|
| Connecting Capacity Auxiliary Circuit | Flexible with Insulated Ferrule 1 x 0.75 ... 2.5 m ² Flexible 2x0.75 ... 2.5 m ² Stranded 2 x 1 4 m ² |
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Classifications

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|------------------------------------|--|
| 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

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| Product Net Weight | 33 kg |
| Product Net Depth / Length | 244 mm |
| Product Net Width | 438 mm |
| Product Net Height | 392 mm |

Package Information

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|--------------------------------|---------------|
| Package Level 1 Width | 555 mm |
| Package Level 1 Height | 500 mm |
| Package Level 1 Depth / Length | 365 mm |
| Package Level 1 EAN | 7320500408810 |
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 35 kg |

Ordering

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|------------------------|----------|
| Minimum Order Quantity | 1 |
| Customs Tariff Number | 85364900 |