



Representative Image

Alternate Catalog No. AF2650-30-11-70 Catalog No. 1SFL667001R7011

Description: AF2650-30-11 100-250V 50/60Hz / 100-250 DC Contactor

UPC No 7320500481431

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A 3-phase Contactor suitable for various applications such as Isolation, By-pass and Distribution application up to max 1000 V. Operated with wide control voltage range 100-250 V, AC/DC

Descriptors

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| Category | AF Contactors |
| Block Contactor Type | 3-Pole Contactor |

Specifications

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|--|---|
| Product Type | AF |
| General Use Rating UL/CSA | (600 V AC) 2700 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 | 3 |
| Number of Main Contacts NC | 0 |
| Maximum Operating Voltage UL/CSA | Main Circuit 1000 V |
| Number of Auxiliary Contacts NO | 1 |
| RoHS Status | Following EU Directive 2011/65/EU |
| Reference Ambient Air Temperature | Close to Contactor for Storage -40 ... +70 °C Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 Uc) -25 ... +50 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 Uc) -40 ... +70 °C |
| Rated Operational Voltage | Main Circuit 1000 V |
| Number of Auxiliary Contacts NC | 1 |
| Maximum Operating Altitude Permissible | 3000 m |
| Rated Operational Current AC-1 | (1000 V) 40 °C 2650 A (1000 V) 55 °C 2350 A (1000 V) 70 °C 2120 A (690 V) 40 °C 2650 A (690 V) 55 °C 2350 A (690 V) 70 °C 2120 A |
| Conventional Free-air Thermal Current | acc. to IEC 60947-4-1, Open Contactors q = 40 °C 2650 A |
| Rated Frequency | Main Circuit 50Hz Main Circuit 60 Hz |
| Rated Short-time Withstand Current | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 10000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 2800 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 5500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 12000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 7500 A |

by ABB

Specifications

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| Rated Making Capacity AC-3 acc. to IEC 60947-4-1 | 10 x Ie AC-3 |
| Maximum Electrical Switching Frequency | AC-1 15 cycles per hour |
| Rated Insulation Voltage | acc. to UL/CSA 1000 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V |
| Maximum Breaking Capacity | cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 8400 A |
| Mechanical Durability | 0.3 million |
| Coil Operating Limits | (acc. to IEC 60947-4-1) 0.85 x Uc Min. ... 1.1 x Uc Max. (at $\theta \leq 70^\circ$ C) |
| Maximum Mechanical Switching Frequency | 300 cycles per hour |
| Operate Time | Between Coil De-energization and NC Contact Closing 35 ... 55 ms Between Coil De-energization and NO Contact Opening 35 ... 55 ms Between Coil Energization and NC Contact Opening 50 ... 80 ms Between Coil Energization and NO Contact Closing 50 ... 80 ms |
| 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 20.5 V - A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 2450 V - A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 2450 V - A Pull-in at Max. Rated Control Circuit Voltage DC 2290 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 |
| Connecting Capacity Auxiliary Circuit | Flexible 2x0.75 ... 2.5 m ² Stranded 2 x 1 4 m ² |

Classifications

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|------------------------------------|---|
| ETIM 4 | EC000066 - Magnet contactor, AC-switching |
| ETIM 6.0 | EC000066 - Power contactor, AC switching |
| ETIM 7 | EC000066 - Power contactor, AC switching |
| IDEA Granular Category Code (IGCC) | 4755 >> Contactors |
| ETIM 5.0 | EC000066 - Magnet contactor, AC-switching |

Dimensions

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| Product Net Weight | 43 kg |
| Product Net Depth / Length | 244 mm |
| Product Net Width | 438 mm |
| Product Net Height | 422 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 | 7320500481431 |
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 45 kg |

Ordering

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