

Alternate Catalog No. AF26Z-40-00-22 Catalog No. 1SBL236201R2200

Description: AF26Z-40-00-22 48-130V50/60HZ-DC Contactor

UPC No 3471523116023

Home > Contactors & Starters > UL Listed IEC Contactors > AF Contactors

AF26Z 4-pole contactors are used for controlling power circuits up to 690 V AC and 440 V DC. They are mainly used for controlling non-inductive or slightly inductive loads (i.e. resistance furnaces...). AF..Z contactors include an electronic coil interface accepting a wide control voltage $U_c \text{ min.} \dots U_c \text{ max.}$ Only four coils cover control voltages between 24...250 V 50/60 Hz or 12...250 V DC. AF..Z contactors can manage large control voltage variations. One coil can be used for different control voltages used worldwide without any coil change. AF..Z contactors allow direct control by PLC-output $\geq 24 \text{ V DC } 500 \text{ mA}$ and obtain a reduced holding coil consumption. AF..Z contactors withstand short voltage dips and voltage sags (SEMI F47-0706 compliance) between 24...250 V 50/60 Hz AF..Z contactors have built-in surge protection and do not require additional surge suppressors The AF... series 4-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 4 N.O. main poles, front and side-mounted add-on auxiliary contact blocks. (mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947-5-1. N.C. mirror contacts compliant with Annex F of IEC 60947-4-1) - Control circuit: AC or DC operated - Accessories: a wide range of accessories is available.



Representative Image

Descriptors

| | |
|----------------------|------------------|
| Category | AF Contactors |
| Block Contactor Type | 4-Pole Contactor |

Specifications

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| Product Type | AF |
| General Use Rating UL/CSA | (600 V AC) 45 A |
| Object Classification Code | Q |
| Terminal Type | Screw Terminals |
| Rated Control Circuit Voltage | 50 Hz /60 Hz DC Operation 48 ... 130 V |
| Number of Main Contacts NO | 4 |
| Number of Main Contacts NC | 0 |
| Climatic Withstand | Category B according to IEC 60947-1 Annex Q |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 5 ... 300 Hz 4 g closed position / 2 g open position |
| Number of Auxiliary Contacts NO | 0 |
| RoHS Status | Following EU Directive 2011/65/EU |
| Reference Ambient Air Temperature | Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air -40 ... +70 °C |
| Rated Operational Voltage | Main Circuit 690 V |
| Number of Auxiliary Contacts NC | 0 |
| Tightening Torque UL/CSA | Control Circuit 11 IA Main Circuit 22 IA |
| Maximum Operating Altitude Permissible | 3000 m |
| Rated Operational Current AC-1 | (690 V) 40 °C 45 A (690 V) 60 °C 40 A (690 V) 70 °C 32 A |
| Standards | IEC 60947-1 / 60947-4-1 and EN 60947-1 / 60947-4-1, UL 508, CSA C22.2 N°14 |
| Rated Operational Power AC-3 | (220 / 230 / 240 V) 5.5 KWT (415 V) 11 KWT (440 V) 11 KWT (500 V) 11 KWT (690 V) 9 KWT (400 V) 11 KWT |

by ABB

Specifications

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| Conventional Free-air Thermal Current | acc. to IEC 60947-4-1, Open Contactors q = 40 °C 55 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 300 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 55 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 150 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 450 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 225 A for 1 s - A |
| Rated Operational Current AC-3 | (220 / 230 / 240 V) 60 °C 23.2 A (380 / 400 V) 60 °C 22 A (415 V) 60 °C 21.2 A (440 V) 60 °C 20 A (500 V) 60 °C 17.6 A (690 V) 60 °C 10.5 A |
| Maximum Electrical Switching Frequency | AC-1 600 cycles per hour |
| Rated Insulation Voltage | acc. to UL/CSA 600 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V |
| Maximum Mechanical Switching Frequency | 3600 cycles per hour |
| Operate Time | Between Coil De-energization and NC Contact Closing 13 ... 98 ms Between Coil De-energization and NO Contact Opening 11 ... 95 ms Between Coil Energization and NC Contact Opening 38 ... 90 ms Between Coil Energization and NO Contact Closing 40 ... 95 ms |
| Secondary Rated Impulse Withstand Voltage | 6 kV |
| Connecting Capacity Main Circuit | Rigid 1/2x 1.5 ... 16 m ² Flexible with Ferrule 1/2x 1.5 ... 16 m ² Flexible with Insulated Ferrule 1x 1.5 ... 16 m ² /2x 1.5 ... 16 m ² |
| Connecting Capacity Control Circuit | Flexible with Ferrule 1/2x 0.75 ... 2.5 m ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 m ² /2x 0.75 ... 1.5 m ² Rigid 1/2x 1 ... 2.5 m 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 IP20 |
| Wire Stripping Length | Control Circuit 10 mm Main Circuit 12 mm |

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 |
| ETIM 5.0 | EC000066 - Magnet contactor, AC-switching |

Dimensions

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|----------------------------|--------|
| Product Net Weight | 0.4kg |
| Product Net Depth / Length | 101 mm |
| Product Net Width | 45 mm |
| Product Net Height | 86 mm |

Package Information

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|--------------------------------|---------------|
| Package Level 1 Width | 87 mm |
| Package Level 1 Height | 47 mm |
| Package Level 1 Depth / Length | 103 mm |
| Package Level 1 EAN | 3471523116023 |
| Package Level 1 Units | box 1 piece |
| Package Level 2 Height | 315 mm |
| Package Level 1 Gross Weight | 0.4 kg |
| Package Level 2 Units | 18 piece |

Package Information

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|--------------------------------|-----------|
| Package Level 3 Units | 864 piece |
| Package Level 2 Depth / Length | 300 mm |
| Package Level 2 Gross Weight | 14.4 kg |

Ordering

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