

Representative Image

# Alternate Catalog No. K6-22Z-F-01
# Catalog No. GJH1211003R0221

**Description: K6-22Z-F-01 Mini Contactor Relay 24V 40-450Hz**

**UPC No 4013614049231**

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

The K6-22Z-F mini contactor relay is a compact 4 pole contactor relay with flat pin connection. They are ideally suited for applications where reliability is a must and space is at a premium. Mini contactors relays are used in residential buldings, commercial buildings and industrial applications for switching of control signals up to 3 A / 400 V (AC-15). Further features are the silent coil, a switch position indication and the integrated possibility for rail or wall mounting.

## Descriptors

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|---|---|
| Category | AF Contactors |

## Specifications

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|---|---|
| Product Type | Mini Contactors (B6, B7) |
| General Use Rating UL/CSA | (600 V AC) 5 A |
| Object Classification Code | K |
| Terminal Type | Flat-Pin Connections |
| Rated Control Circuit Voltage | 24 V AC |
| Number of Main Contacts NO | 0 |
| Number of Main Contacts NC | 0 |
| Maximum Operating Voltage UL/CSA | Auxiliary Circuit 600 V AC / DC |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 3g / 3 ... 150 Hz |
| Number of Auxiliary Contacts NO | 2 |
| RoHS Status | Following EU Directive 2011/65/EU |
| Reference Ambient Air Temperature | Operation -25 ... +55 °C |
| Rated Operational Voltage | Auxiliary Circuit 12 ... 240 V DC<br>Auxiliary Circuit 12 ... 500 V AC / DC<br>Auxiliary Circuit 690 V |
| Number of Auxiliary Contacts NC | 2 |
| Maximum Operating Altitude Permissible | 2000 m |
| Standards | IEC/EN 60947-1<br>IEC/EN 60947-4-1<br>IEC/EN 60947-5-1<br>UL 60947-1<br>UL 60947-4-1 |
| Conventional Free-air Thermal Current | Auxiliary Circuit 6 A |
| Rated Operational Current AC-15 | (120 V) 4 A<br>(220 / 240 V) 4 A<br>(240 V) 4 A<br>(24 V) 4 A<br>(380 / 400 V) 3 A<br>(500 V) 2 A |

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## Specifications

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|---|---|
| Rated Frequency | Auxiliary Circuit 50 Hz<br>Auxiliary Circuit 60 Hz<br>Auxiliary Circuit DC<br>Control Circuit 400 Hz<br>Control Circuit 50 Hz<br>Control Circuit 60 Hz<br>Main Circuit 60 Hz<br>Main Circuit 50Hz<br>Main Circuit DC |
| Maximum Electrical Switching Frequency | AC-15 600 cycles per hour<br>DC-13 600 cycles per hour |
| Short-Circuit Protective Devices | gG Type Fuses 6 A |
| Rated Insulation Voltage | 690 V<br>acc. to UL/CSA 600 V |
| Mechanical Durability | 10000000 cycle |
| Coil Operating Limits | (acc. to IEC 60947-5-1) for AC supply 0.85 ... 1.1 x Uc (at θ ≤ 55 °C) |
| Secondary Rated Impulse Withstand Voltage | Auxiliary Circuit 6 kV |
| Rated Operational Current DC-13 | (110 V) 0.7 A<br>(220 / 240 V) 0.4 A<br>(24 V) 2.5 A |
| Coil Consumption | Average Holding Value 50 Hz 3.5 V - A<br>Average Pull-in Value 50 Hz 3.5 V - A |
| Degree of Protection | Auxiliary Circuit Terminals IP20<br>Control Circuit Terminals IP20 |
| Mounting on DIN Rail | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715<br>TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 |

## Classifications

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|---|---|
| ETIM 4 | EC000196 - Contactor relay |
| ETIM 6.0 | EC000196 - Contactor relay |
| ETIM 7 | EC000196 - Contactor relay |
| ETIM 5.0 | EC000196 - Contactor relay |
| eClass | 7.0 27371001 |

## Dimensions

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| Product Net Weight | 0.17 kg |
| Product Net Depth / Length | 46.5 mm |
| Product Net Width | 52.5 mm |
| Product Net Height | 57.5 mm |

## Package Information

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|---|---|
| Package Level 1 Width | 115 mm |
| Package Level 1 Height | 54 mm |
| Package Level 1 Depth / Length | 280 mm |
| Package Level 1 EAN | 4013614410437 |
| Package Level 1 Units | 10 piece |
| Package Level 1 Gross Weight | 1.77 kg |

## Ordering

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|---|---|
| Minimum Order Quantity | 1 |
| Customs Tariff Number | 85365080 |