

Representative Image

Alternate Catalog No. K6-31Z-F-01
Catalog No. GJH1211003R0311

Description: K6-31Z-F-01 Mini Contactor Relay 24V 40-450Hz

UPC No 4013614049286

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The K6-31Z-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

Category	AF Contactors

Specifications

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	3
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 Auxiliary Circuit 12 ... 500 V AC / DC Auxiliary Circuit 690 V
Number of Auxiliary Contacts NC	1
Maximum Operating Altitude Permissible	2000 m
Standards	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1
Conventional Free-air Thermal Current	Auxiliary Circuit 6 A
Rated Operational Current AC-15	(120 V) 4 A (220 / 240 V) 4 A (240 V) 4 A (24 V) 4 A (380 / 400 V) 3 A (500 V) 2 A

by ABB

Specifications

Rated Frequency	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC Control Circuit 400 Hz Control Circuit 50 Hz Control Circuit 60 Hz Main Circuit 60 Hz Main Circuit 50Hz Main Circuit DC
Maximum Electrical Switching Frequency	AC-15 600 cycles per hour DC-13 600 cycles per hour
Short-Circuit Protective Devices	gG Type Fuses 6 A
Rated Insulation Voltage	690 V 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 (220 / 240 V) 0.4 A (24 V) 2.5 A
Coil Consumption	Average Holding Value 50 Hz 3.5 V - A Average Pull-in Value 50 Hz 3.5 V - A
Degree of Protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20
Mounting on DIN Rail	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715

Classifications

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

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

Package Level 1 Width	115 mm
Package Level 1 Height	54 mm
Package Level 1 Depth / Length	280 mm
Package Level 1 EAN	4013614410468
Package Level 1 Units	10 piece
Package Level 1 Gross Weight	1.77 kg

Ordering

Minimum Order Quantity	1
Customs Tariff Number	85365080