

**Alternate Catalog No. K6-31Z-P-84**  
**Catalog No. GJH1211009R8314**

**Description: K6-31Z-P-84 Mini Contactor Relay 110-127V 40-450Hz**

**UPC No 4013614189166**

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The K6-31Z-P mini contactor relay is a compact 4 pole contactor relay with soldering pins. They are ideally suited for applications where reliability is a must and space is at a premium. Mini contactors relays are used in residential buildings, 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 mounting.



**Descriptors**

Category	AF Contactors
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**Specifications**

Product Type	Mini Contactors (B6, B7)
General Use Rating UL/CSA	(600 V AC) 5 A
Object Classification Code	K
Terminal Type	Soldering Pins
Rated Control Circuit Voltage	110 ... 127 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

## 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 U <sub>c</sub> (at $\theta \leq 55^\circ$ 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	51.5 mm
Product Net Width	47.5 mm
Product Net Height	45.5 mm

## Package Information

Package Level 1 Width	108 mm
Package Level 1 Height	69 mm
Package Level 1 Depth / Length	247 mm
Package Level 1 EAN	4013614410758
Package Level 1 Units	10 piece
Package Level 1 Gross Weight	1.775 kg

## Ordering

Minimum Order Quantity	1
Customs Tariff Number	85365080

