

K6-31Z-84

ABB contact for United
States of America



General Information

Extended Product Type:	K6-31Z-84
Product ID:	GJH1211001R8314
EAN:	4013614156533
Catalog Description:	K6-31Z-84 Mini Contactor Relay
Long Description:	The K6-31Z mini contactor relay is a compact 4 pole contactor relay with screw terminals. 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.

Categories

Products » Low Voltage Products and Systems » Control Products » Contactors » Mini Contactors

Ordering

EAN:	4013614156533
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85365080

Dimensions

Product Net Width:	52.5 mm
Product Net Height:	57.5 mm
Product Net Depth:	46.5 mm
Product Net Weight:	0.175 kg

Container Information

Package Level 1 Units:	10 piece
Package Level 1 Width:	115.0 mm
Package Level 1 Height:	54.0 mm
Package Level 1 Length:	280.0 mm
Package Level 1 Gross Weight:	1.820 kg
Package Level 1 EAN:	4013614410352

Technical

Number of Poles:	4
Mini Contactor Type:	Mini Contactor Relay
Rated Operational Voltage:	Auxiliary Circuit 12 ... 240 V DC Auxiliary Circuit 12 ... 500 V AC DC Auxiliary Circuit 690
Rated Frequency (f):	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 50 Hz Main Circuit DC Auxiliary Circuit 6 kV

Rated Impulse Withstand Voltage**(U_{imp}):****Rated Insulation Voltage (U_i):** 690 V
acc. to UL/CSA 600 V**Number of Main Contacts NC:** 0**Number of Main Contacts NO:** 0**Number of Auxiliary Contacts NC:** 1**Number of Auxiliary Contacts NO:** 3**Rated Operational Current AC-15 (I_e):** (120V) 4.000 A
(220 / 240V) 4 A
(240V) 4.000 A
(24V) 4.000 A
(380 / 400V) 3.000 A
(500V) 2.000 A**Rated Operational Current DC-13 (I_e):** (110V) 0.700 A
(220 / 240V) 0.400 A
(24V) 2.500 A**Conventional Free-air Thermal Current (I_{th}):** Auxiliary Circuit 6.000 A**Rated Control Circuit Voltage (U_c):** 110 ... 127 V AC**Coil Operating Limits:** (acc. to IEC 60947-5-1) for AC supply 0.85 ... 1.1 x U_c (at θ ≤ 55 °C)**Degree of Protection:** Auxiliary Circuit Terminals IP20
Control Circuit Terminals IP20**Mechanical Durability:** 10000000 cycle**Minimum switching capacity [V/mA]:** >17 VLT>5 mA**Maximum Electrical Switching Frequency:** AC-15 600 cycles per hour
DC-13 600 cycles per hour**Connecting Capacity-Auxiliary Circuit:** Flexible with Ferrule 1/2x 1 ... 2.5 mm²
Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm²
Flexible 1/2x 1 ... 2.5 mm²
Rigid 1/2x 1 ... 4 mm²**Connecting Capacity-Control Circuit:** Flexible with Ferrule 1/2x 1 ... 2.5 mm²
Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm²
Flexible 1/2x 1 ... 2.5 mm²
Rigid 1/2x 1 ... 4 mm²**Wire Stripping Length:** Auxiliary Circuit 9 mm**Tightening Torque:** Auxiliary Circuit 0.8 ... 1.1 N·m
Control Circuit 0.8 ... 1.1 N·m**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**Power Loss:** Per Pole 2 W**Standards:** IEC/EN 60947-1
IEC/EN 60947-4-1
IEC/EN 60947-5-1
UL 60947-1
UL 60947-4-1**Environmental****Ambient Air Temperature:** Operation -25 ... +55 °C
Storage -40 ... +80 °C**Maximum Operating Altitude Permissible:** 2000 m**Resistance to Shock acc. to IEC 60068-2-27:** 11 ms Pulse 15g**Resistance to Vibrations acc. to IEC 60068-2-6:** 3g / 3 ... 150 Hz**RoHS Status:** Following EU Directive 2002/95/EC August 18, 2005 and amendment

Technical UL/CSA

Maximum Operating Voltage UL/CSA: Auxiliary Circuit 600 V AC/DC

Connecting Capacity-Auxiliary Circuit UL/CSA: Stranded 1/2x 22 ... 10 AWG

Tightening Torque UL/CSA: Auxiliary Circuit 7 in·lb
Control Circuit 7 in·lb

Contact Rating UL/CSA: A600

General Use Rating UL/CSA: 600V AC 5.00 A

Certificates and Declarations (Document Number)

CB Certificate: 1SAA938001-2001

CCC Certificate: 1SAA938000-3803

cUL Certificate: cUL_E48139

Declaration of Conformity - CE: 1SAD938510-0001

EAC Certificate: 1SAA938001-2701

RMRS Certificate: 1SAA938001-0703

RoHS Information: 1SAA938002-4402

UL Certificate: UL_E48139

Classifications

Object Classification Code: K

ETIM 4.0: EC000196 - Contactor relay

ETIM 5.0: EC000196 - Contactor relay

UNSPSC: 39121500

