

KC6-31Z-P-1.4-81



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

General Information

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|-------------------------------|---|
| Extended Product Type: | KC6-31Z-P-1.4-81 |
| Product ID: | GJH1213009R8311 |
| EAN: | 4013614050268 |
| Catalog Description: | KC6-31Z-P-1.4-81 Mini Contactor Relay 24VDC, 1.4W |
| Long Description: | The KC6-31Z-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). Due to the low coil consumption, this device can be directly controlled by a PLC. Further features are the noiseless and hum-free coil and a switch position indication. |

Ordering

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

Popular Downloads

| | |
|---|-----------------|
| Data Sheet, Technical Information: | 1SBC100173C0201 |
| Instructions and Manuals: | 2CDC102047M6801 |
| Dimension Diagram: | GJL1200438F0001 |

Dimensions

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|----------------------------|---------|
| Product Net Width: | 47.5 mm |
| Product Net Height: | 45.5 mm |
| Product Net Depth: | 51.5 mm |
| Product Net Weight: | 0.17 kg |

Technical

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| Number of Poles: | 4 |
| Mini Contactor Type: | Interface Mini Contactor Relay |
| Rated Operational Voltage: | Auxiliary Circuit 12 ... 240 V DC Auxiliary Circuit 12 ... 500 V AC/DC Auxiliary Circuit 690 V |

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|--|---|
| Rated Frequency (f): | Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC Control Circuit DC Main Circuit 60 Hz Main Circuit 50 Hz Main Circuit DC |
| Rated Impulse Withstand Voltage (U_{imp}): | Auxiliary Circuit 6 kV |
| 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): | (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 |
| Rated Operational Current DC-13 (I_e): | (110 V) 0.7 A (220 / 240 V) 0.4 A (24 V) 2.5 A |
| Conventional Free-air Thermal Current (I_{th}): | Auxiliary Circuit 6 A |
| Rated Control Circuit Voltage (U_c): | 24 V DC |
| Coil Operating Limits: | (acc. to IEC 60947-5-1) for DC supply 0.85 ... 1.1 x U _c (at θ ≤ 55 °C) |
| Degree of Protection: | Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20 |
| Mechanical Durability: | 10000000 cycle |
| Minimum Switching Capacity: | 17 V 5 mA |
| Maximum Electrical Switching Frequency: | AC-15 600 cycles per hour DC-13 600 cycles per hour |
| 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: | at Rated Operating Conditions 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 |

Remarks: No CA6 or CAF6 mountable

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 2011/65/EU

Technical UL/CSA

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

General Use Rating UL/CSA: (600 V AC) 5 A

Contact Rating UL/CSA: A600

Certificates and Declarations (Document Number)

CB Certificate: 1SAA938001-2001

CCC Certificate: 1SAA938000-3804

cUR Certificate: 1SAA938000-1901

Declaration of Conformity - CE: 1SAD938512-0001

EAC Certificate: 1SAA938001-2701

Instructions and Manuals: 2CDC102047M6801

RMRS Certificate: 1SAA938001-0704

RoHS Information: 1SAD938512-0001

UR Certificate: 1SAA938000-1801

Container Information

Package Level 1 Units: 10 piece

Package Level 1 Width: 108 mm

Package Level 1 Height: 69 mm

Package Level 1 Length: 247 mm

Package Level 1 Gross Weight: 1.775 kg

Package Level 1 EAN: 4013614411793

Classifications

Object Classification Code: K

ETIM 4: EC000196 - Contactor relay

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|----------------|----------------------------|
| ETIM 5: | EC000196 - Contactor relay |
| ETIM 6: | EC000196 - Contactor relay |
| ETIM 7: | EC000196 - Contactor relay |
| eClass: | 7.0 27371001 |
| UNSPSC: | 39121500 |

