

TKC6-31Z-68



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

General Information

Extended Product Type:	TKC6-31Z-68
Product ID:	GJH1213061R6318
EAN:	4013614407215
Catalog Description:	TKC6-31Z-68 Mini Contactor Relay 140-260VDC
Long Description:	The TKC6-31Z 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 buildings, commercial buildings and industrial applications for switching of control signals up to 3 A / 400 V (AC-15). Further features are the noiseless and hum-free coil and a switch position indication.

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85365080

Popular Downloads

Data Sheet, Technical Information:	1SBC100173C0201
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Dimensions

Product Net Width:	52.5 mm
Product Net Height:	57.5 mm
Product Net Depth:	46.5 mm
Product Net Weight:	0.18 kg

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 V
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):	140 ... 260 V DC
Coil Operating Limits:	(acc. to IEC 60947-4-1) for DC supply U_c Min. ... U_c Max. (at $\theta \leq 55$ °C) (acc. to IEC 60947-5-1) for DC supply U_c Min. ... U_c Max. (at $\theta \leq 55$ °C)
Degree of Protection:	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20
Mechanical Durability:	10000000 cycle
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 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Connecting Capacity Control Circuit:	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
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
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1

Remarks: No CA6 or CAF6 mountable

Environmental

Ambient Air Temperature: Operation -30 ... +70 °C
Storage -40 ... +85 °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

Certificates and Declarations (Document Number)

Declaration of Conformity - CE: 1SAD938512-0001

EAC Certificate: 1SAA938001-2701

RoHS Information: 1SAD938512-0001

Container Information

Package Level 1 Units: 10 piece

Package Level 1 Width: 115 mm

Package Level 1 Height: 54 mm

Package Level 1 Length: 280 mm

Package Level 1 Gross Weight: 1.87 kg

Package Level 1 EAN: 4013614411991

Classifications

Object Classification Code: K

ETIM 4: EC000196 - Contactor relay

ETIM 5: EC000196 - Contactor relay

ETIM 6: EC000196 - Contactor relay

ETIM 7: EC000196 - Contactor relay

eClass: 7.0 27371001

UNSPSC: 39121500

