

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

General Information

Extended Product Type:	K6-31Z-F-03
Product ID:	GJH1211003R0313
EAN:	4013614231353
Catalog Description:	K6-31Z-F-03 Mini Contactor Relay 48V 40-450Hz
Long Description:	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 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 or wall mounting.

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85365080

Popular Downloads

Data Sheet, Technical Information:	1SBC100173C0201
Instructions and Manuals:	2CDC102047M6801
Dimension Diagram:	GJL1200437F0001

Dimensions

Product Net Width:	52.5 mm
Product Net Height:	57.5 mm
Product Net Depth:	46.5 mm
Product Net Weight:	0.17 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 400 Hz Control Circuit 50 Hz Control Circuit 60 Hz 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):	48 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:	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
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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:	1SAA938000-3803
cUL Certificate:	cUL_E48139
cUR Certificate:	1SAA938000-1901
Declaration of Conformity - CE:	1SAD938512-0001
EAC Certificate:	1SAA938001-2701
Environmental Information:	1SAA938002-2401
Instructions and Manuals:	2CDC102047M6801
RMRS Certificate:	1SAA938001-0704
RoHS Information:	1SAD938512-0001
UL Certificate:	UL_E48139
UR Certificate:	1SAA938000-1801

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:	1.77 kg
Package Level 1 EAN:	4013614410482

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

