

PRODUCT-DETAILS

KC6-31Z-04

KC6-31Z-04 Mini Contactor Relay 110-125VDC



General Information

Extended Product Type	KC6-31Z-04
Product ID	GJH1213001R0314
EAN	4013614049736
Catalog Description	KC6-31Z-04 Mini Contactor Relay 110-125VDC
Long Description	The KC6-31Z 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.

Technical

Standards	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1
Rated Operational Voltage	Auxiliary Circuit 690 V AC Auxiliary Circuit 250 V DC
Rated Insulation Voltage (U _i)	690 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage (U _{imp})	Auxiliary Circuit 6 kV
Rated Control Circuit Voltage (U _c)	110 ... 125 V DC

Rated Operational Current AC-15 (I _e)	(24 V) 4 A (120 V) 4 A (240 V) 4 A (400 V) 3 A (500 V) 2 A
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
Minimum Switching Capacity	17 V 5 mA
Power Loss	at Rated Operating Conditions per Pole 0.32 W
Short-Circuit Protective Devices	gG Type Fuses 6 A
Mechanical Durability	10000000 cycle
Number of Poles	4
Number of Main Contacts NC	0
Number of Main Contacts NO	0
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	3
Low Coil Consumption	No
Tightening Torque	Auxiliary Circuit 0.8 ... 1.1 N·m Control Circuit 0.8 ... 1.1 N·m
Mini Contactor Type	Mini Contactor Relay
Mounting Type	DIN-Rail Screw
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting Position	1 ... 6
Coil Consumption	Average Holding Value DC 3.5 W Average Pull-in Value DC 3.5 W
Wire Stripping Length	Auxiliary Circuit 9 mm
Terminal Type	Screw Terminals

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +80 °C
Degree of Protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20
Maximum Operating Altitude Permissible	2000 m
Resistance to Vibrations acc. to IEC 60068-2-6	3g / 3 ... 150 Hz
Resistance to Shock acc. to IEC 60068-2-27	11 ms Pulse 15g
RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	1SAC200069H0009

Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V AC
General Use Rating UL/CSA	(600 V AC) 5 A

Connecting Capacity Auxiliary Circuit UL/CSA	Stranded 1/2x 22-10 AWG
Contact Rating UL/CSA	A600
Tightening Torque UL/CSA	Auxiliary Circuit 7 in-lb Control Circuit 7 in-lb
Pilot Duty UL/CSA	A600

Dimensions

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

Container Information

Package Level 1 Units	10 piece
Package Level 1 Width	115 mm
Package Level 1 Height	54 mm
Package Level 1 Depth / Length	280 mm
Package Level 1 Gross Weight	1.82 kg
Package Level 1 EAN	4013614410949

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

Certificates and Declarations (Document Number)

CB Certificate	1SAA938001-2001
CQC Certificate	CQC2003010304064035
cULus Certificate	cUL_E48139
Declaration of Conformity - CCC	2020980304001309
Declaration of Conformity - CE	1SAD938517-0001
Declaration of Conformity - UKCA	1SAD938501-1001
EAC Certificate	1SAA938001-2701
Environmental Information	1SAC200069H0009
Instructions and Manuals	2CDC102047M6801
RMRS Certificate	1SAA938001-0704
RoHS Information	1SAD938517-0001
UL Certificate	1SAA938002-1601

Popular Downloads

Data Sheet, Technical Information	1SBC100214C0202
Instructions and Manuals	2CDC102047M6801

Classifications

ETIM 7	EC000196 - Contactor relay
ETIM 8	EC000196 - Contactor relay
EPLAN Catalog Tree	Electrical engineering / Relays, contactors / Contactors
EPLAN Function Definition	Coil / Coil, 2 connection points / Coil for power contactor A1_A2 NO contact / NO contact, 2 connection points / NO auxiliary contact 43_44 NO contact / NO contact, 2 connection points / NO auxiliary contact 33_34 NO contact / NO contact, 2 connection points / NO auxiliary contact 13_14 NC contact / NC contact, 2 connection points / NC auxiliary contact 21_22
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	8536 50 80
UNSPSC	39121500
eClass	V11.0 : 27371001
Object Classification Code	K

Categories

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

