PRODUCT-DETAILS

KC6-31Z-P-01

KC6-31Z-P-01 Mini Contactor Relay 24VDC



General Information

Extended Product Type	KC6-31Z-P-01
Product ID	GJH1213009R0311
EAN	4013614050152
Catalog Description	KC6-31Z-P-01 Mini Contactor Relay 24VDC
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 buldings, 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 a switch position indication.

Ordering

EAN	4013614050152
Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

Dimensions

Product Net Width	47.5 mm
Product Net Height	45.5 mm
Product Net Depth / Length	51.5 mm
Product Net Weight	0.17 kg

Container Information

Package Level 1 Units	10 piece
Package Level 1 Width	108 mm
Package Level 1 Height	69 mm
Package Level 1 Depth / Length	247 mm
Package Level 1 Gross Weight	1.775 kg
Package Level 1 EAN	4013614411625

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +80 °C
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

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Auxiliary Circuit 600 V AC/DC
Contact Rating UL/CSA	A600
General Use Rating UL/CSA	(600 V AC) 5 A
Pilot Duty of Contact Elements acc. UL508	A600

Additional Information

Coil Consumption	Average Holding Value DC 3.5 W Average Pull-in Value DC 3.5 W
Coil Operating Limits	(acc. to IEC 60947-5-1) for DC supply 0.85 ... 1.1 x Uc (at θ ≤ 55 °C)
Conventional Free-air Thermal Current (I_{th})	Auxiliary Circuit 6 A
Degree of Protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20
Maximum Electrical Switching Frequency	(AC-15) 600 cycles per hour (DC-13) 600 cycles per hour
Mechanical Durability	10000000 cycle
Mini Contactor Type	Mini Contactor Relay
Minimum Switching Capacity	17 V 5 mA
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
Mounting Position	Any, Position 1-6
Mounting Type	DIN-rail PCB
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	3
Number of Poles	4

Number of Main Contacts NC	0
Number of Main Contacts NO	0
Power Loss	at Rated Operating Conditions per Pole 2 W
Product Main Type	KC6-P
Product Name	Mini Contactor Relay
Rated Control Circuit Voltage (U_c)	24 V DC
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
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 Operational Current DC-13 (I_e)	(24 V) 2.5 A (110 V) 0.7 A (220 / 240 V) 0.4 A
Rated Operational Voltage	Auxiliary Circuit 690 V AC Auxiliary Circuit 250 V DC
RoHS Date	0056
Standards	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1
Terminal Type	Soldering Pins

Certificates and Declarations (Document Number)

CB Certificate	1SAA938001-2001
CQC Certificate	CQC2003010304064035
cURus Certificate	1SAA938000-1901
Data Sheet, Technical Information	1SBC100214C0201
Declaration of Conformity - CCC	2020980304001309
Declaration of Conformity - CE	1SAD938517-0001
Declaration of Conformity - UKCA	1SAD938500-1001
EAC Certificate	1SAA938001-2701
Environmental Information	1SAC200069H0009
Instructions and Manuals	2CDC102047M6801
RMRS Certificate	1SAA938001-0704
RoHS Information	1SAD938517-0001
UR Certificate	1SAA938000-1801
Dimension Diagram	GJL1200438F0001

Classifications

ETIM 4	EC000196 - Contactor relay
ETIM 5	EC000196 - Contactor relay
ETIM 6	EC000196 - Contactor relay
ETIM 7	EC000196 - Contactor relay
Object Classification Code	K
UNSPSC	39121500
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
eClass	V11.0 : 27371001

Categories

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

