

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.

Additional Information

Ambient Air Temperature:	Operation -25 ... +55 °C Storage -40 ... +80 °C
CB Certificate:	1SAA938001-2001
CCC Certificate:	1SAA938000-3804
Co-ordination with Short-Circuit Protective Devices - Type 1:	gG Type Fuses 6 A
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 U _c (at $\theta \leq 55$ °C)
Connecting Capacity Auxiliary Circuit UL/CSA:	Stranded 1/2x 22-10 AWG
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
Contact Rating UL/CSA:	A600
Conventional Free-air Thermal Current (I_{th}):	Auxiliary Circuit 6 A
Country of Origin:	Germany (DE)
Customs Tariff Number:	85365080
Data Sheet, Technical Information:	1SBC100173C0201
Declaration of Conformity - CE:	1SAD938510-0001
Degree of Protection:	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20
Dimension Diagram:	GJL1200436F0001
EAC Certificate:	1SAA938001-2701
EAN:	4013614049736
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
ETIM 4:	EC000196 - Contactor relay
ETIM 5:	EC000196 - Contactor relay

ETIM 6:	EC000196 - Contactor relay
General Use Rating UL/CSA:	(600 V AC) 5 A
IIT Publishing Status:	Level 0 - Information enabled
Industrial IT Certification Level:	0
Instructions and Manuals:	2CDC102047M6801
Invoice Description:	KC6-31Z-04 Mini Contactor Relay 110-125VDC
Maximum Electrical Switching Frequency:	AC-15 600 cycles per hour DC-13 600 cycles per hour
Maximum Operating Altitude Permissible:	2000 m
Maximum Operating Voltage UL/CSA:	Auxiliary Circuit 600 V AC/DC
Mechanical Durability:	10000000 cycle
Mini Contactor Type:	Mini Contactor Relay
Minimum Order Quantity:	1 piece
Minimum Switching Capacity:	17 V 5 mA
Mounting Position:	Any, Position 1-6
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
Number of Auxiliary Contacts NC:	1
Number of Auxiliary Contacts NO:	3
Number of Main Contacts NC:	0
Number of Main Contacts NO:	0
Number of Poles:	4
Object Classification Code:	K
Package Level 1 EAN:	4013614410949
Package Level 1 Gross Weight:	1.82 kg
Package Level 1 Height:	54 mm
Package Level 1 Length:	280 mm
Package Level 1 Units:	10 piece
Package Level 1 Width:	115 mm
Power Loss:	at Rated Operating Conditions per Pole 2 W
Product Main Type:	KC6
Product Name:	Mini Contactor Relay
Product Net Depth:	46.5 mm
Product Net Height:	57.5 mm
Product Net Weight:	0.175 kg
Product Net Width:	52.5 mm
RMRS Certificate:	1SAA938001-0704
Rated Control Circuit Voltage (U_c):	110 ... 125 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_a):	(120 V) 4 A (220 / 240 V) 4 A (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_a):	(110 V) 0.7 A (220 / 240 V) 0.4 A (24 V) 2.5 A
Rated Operational Voltage:	Auxiliary Circuit 12 ... 240 V DC Auxiliary Circuit 12 ... 500 V AC/DC Auxiliary Circuit 690 V
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 Date:	0056
RoHS Information:	1SAA938002-4402
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment
Selling Unit of Measure:	piece
Short Description:	KC6-31Z-04 Mini Contactor Relay
Short-Circuit Protective Devices:	gG Type Fuses 10 A
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1
Terminal Type:	Screw Terminals
Tightening Torque:	Auxiliary Circuit 0.8 ... 1.1 N·m Control Circuit 0.8 ... 1.1 N·m
Tightening Torque UL/CSA:	Auxiliary Circuit 7 in·lb Control Circuit 7 in·lb
UL Certificate:	1SAA938002-1601
UNSPSC:	39121500
Wire Stripping Length:	Auxiliary Circuit 9 mm
cUL Certificate:	1SAA938002-1701
eClass:	7.0 27371001

