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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 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	
Minimum Order Quantity	1 piece
Customs Tariff Number	85365080
Product Main Type	KC6

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Popular Downloads	
Data Sheet, Technical Information	1SBC100214C0202
Instructions and Manuals	2CDC102047M6801
CAD Dimensional Drawing	2CDC001079B0201
Dimension Diagram	GJL1200436F0001

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

Technical	
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 $\theta \le 55$ °C)
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 1 2.5 mm² Flexible with Insulated Ferrule 1/2x 1 2.5 mm² Flexible 1/2x 1 2.5 mm² Rigid 1/2x 1 4 mm²
Connecting Capacity Control Circuit	Flexible with Ferrule 1/2x 1 2.5 mm² Flexible with Insulated Ferrule 1/2x 1 2.5 mm² Flexible 1/2x 1 2.5 mm² Rigid 1/2x 1 4 mm²
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 Mounting Distance	Other Device Same Type, Horizontal 0 mm
Minimum Switching Capacity	17 V 5 mA
Mounting Position	16
Mounting Type	DIN-Rail Screw
Mounting on DIN Rail	TH35-15 (35 \times 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 \times 7.5 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
Power Loss	at Rated Operating Conditions per Pole 0.32 W
Rated Control Circuit Voltage (U _c)	110 125 V DC
Rated Frequency (f)	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC

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	Control Circuit DC
	Main Circuit 60 Hz
	Main Circuit 50 Hz Main Circuit DC
Rated Impulse	Auxiliary Circuit 6 kV
Withstand Voltage (U _{imp}	Adxillary Circuit 6 kV
)	
Rated Insulation Voltage	690 V
(U _i)	acc. to UL/CSA 600 V
Rated Operational	(24 V) 4 A
Current AC-15 (I _e)	(120 V) 4 A
	(240 V) 4 A
	(400 V) 3 A
	(500 V) 2 A
Rated Operational	(24 V) 2.5 A
Current DC-13 (I _e)	(110 V) 0.7 A
	(220 / 240 V) 0.4 A
Rated Operational	Auxiliary Circuit 690 V AC
Voltage	Auxiliary Circuit 250 V DC
Recommended Screw	M3
Driver	Pozidriv 1
Short-Circuit Protective	gG Type Fuses 6 A
Devices	
Standards	IEC/EN 60947-1
	IEC/EN 60947-4-1
	IEC/EN 60947-5-1 UL 60947-1
	UL 60947-1 UL 60947-4-1
Terminal Type	Screw Terminals
Tightening Torque	Auxiliary Circuit 0.8 1.1 N·m
Tightening To que	Control Circuit 0.8 1.1 N·m
	Main Circuit 0.8 1.1 N·m
Wire Stripping Length	Auxiliary Circuit 9 mm
Connecting Capacity	Stranded 1/2x 22-10 AWG

Technical UL/CSA	
Connecting Capacity Auxiliary Circuit UL/CSA	Stranded 1/2x 22-10 AWG
Contact Rating UL/CSA	A600
General Use Rating UL/CSA	(600 V AC) 5 A
Maximum Operating Voltage UL/CSA	600 V AC
Pilot Duty UL/CSA	A600
Tightening Torque UL/CSA	Auxiliary Circuit 7 in·lb Control Circuit 7 in·lb

Environmental	
Ambient Air	Operation -25 +55 °C
Temperature	Storage -40 +80 °C
Conventional Free-air Thermal Current (I_{th})	Auxiliary Circuit 6 A
Degree of Protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20
Maximum Operating Altitude Permissible	2000 m
Resistance to Shock acc. to IEC 60068-2-27	11 ms Pulse 15g
Resistance to Vibrations	3g 3 150 Hz

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Material Compliance	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations	
CB Certificate	1SAA938001-2001
CQC Certificate	CQC2003010304064035
Declaration of Conformity - CCC	2020980304001309
Declaration of Conformity - CE	1SAD101100-3101
Declaration of Conformity - UKCA	1SAD201100-3101
EAC Certificate	1SAA938001-2701
RMRS Certificate	1SAA938001-0704
UL Certificate	E48139-19881213

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

Classifications	
eClass	V11.0 : 27371001
ETIM 6	EC000196 - Contactor relay
ETIM 7	EC000196 - Contactor relay
ETIM 8	EC000196 - Contactor relay
ETIM 9	EC000196 - Contactor relay
IDEA Granular Category Code (IGCC)	4763 >> Power contactor, DC switching
Object Classification Code	к
UNSPSC	39121529

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Categories

 $Low\ Voltage\ Products\ and\ Systems\ \rightarrow\ Control\ Products\ \rightarrow\ Contactors\ \rightarrow\ Mini\ Contactor\ Relays$ $Medium\ Voltage\ Products\ and\ Systems\ \rightarrow\ Service\ \rightarrow\ Spares\ and\ Consumables\ \rightarrow\ Parts\ \rightarrow\ All\ Spare\ Parts\ (Relays-SWG-CB)$

