

PRODUCT-DETAILS

KC6-31Z-07 KC6-31Z-07 Mini Contactor Relay 12VDC



General Information	
Extended Product Type	KC6-31Z-07
Product ID	GJH1213001R0317
EAN	4013614049750
Catalog Description	KC6-31Z-07 Mini Contactor Relay 12VDC
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

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

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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	1 6
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
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	3
Number of Main Contacts NC	C
Number of Main Contacts NO	O
Number of Poles	4
Power Loss	at Rated Operating Conditions per Pole 0.32 W
Rated Control Circuit Voltage (U _c)	12 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	(24 V) 4 A (120 V) 4 A

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AC-15 (I _e)	(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
Recommended Screw Driver	M3 Pozidriv 1
Short-Circuit Protective Devices	gG Type Fuses 6 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 Main Circuit 0.8 1.1 N·m
Wire Stripping Length	Auxiliary Circuit 9 mm
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 Temperature	Operation -25 +55 °C 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 acc. to IEC 60068-2-6	3g / 3 150 Hz
RoHS Information	2CMT2021-006277
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
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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	4013614410963

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

Categories

 $\mbox{Low Voltage Products and Systems} \rightarrow \mbox{Control Products} \rightarrow \mbox{Contactors} \rightarrow \mbox{Mini Contactor Relays}$

