PRODUCT-DETAILS

KC6-31Z-P-1.4-81

KC6-31Z-P-1.4-81Mini Contactor Relay24 V DC3NO1NCSoldering Pins



General Information

Extended Product Type	KC6-31Z-P-1.4-81
Product ID	GJH1213009R8311
EAN	4013614050268
Catalog Description	KC6-31Z-P-1.4-81Mini Contactor Relay24 V DC3NO1NCSoldering Pins
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). Due to the low coil consumption, this device can be directly controlled by a PLC. 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

Popular Downloads

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EPLAN Data	9AAC202735_EPLAN
Data Sheet, Technical Information	1SBC100214C0202
Instructions and Manuals	2CDC102047M6801
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product Net Width	47.5 mm
Product Net Depth / Length	51.5 mm
Product Net Height	45.5 mm
Product Net Weight	0.17 kg
Dimension Diagram	GJL1200438F0001

Technical

Number of Main Contacts NO	0
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	3
Number of Auxiliary Contacts NC	1
Number of Poles	4P
Standards	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1 IEC 60335-2-40 A2L
Rated Operational Voltage	Auxiliary Circuit 690 V AC Auxiliary Circuit 250 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
Conventional Free-air Thermal Current (I_{th})	Auxiliary Circuit 6 A
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
Short-Circuit Protective Devices	gG Type Fuses 6 A
Rated Insulation Voltage (U_i)	690 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage (U_{imp})	Auxiliary Circuit 6 kV
Maximum Electrical	(AC-15) 600 cycles per hour

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Switching Frequency	(DC-13) 600 cycles per hour
Mechanical Durability	Nr. Operations 10000000 cycle
Minimum Switching Capacity	17 V 5 mA
Coil Operating Limits	(acc. to IEC 60947-5-1) for DC supply 0.85 ... 1.1 x Uc (at θ ≤ 55 °C)
Rated Control Circuit Voltage (U_c)	24 V DC
Coil Consumption	Average Holding Value DC 1.4 W Average Pull-in Value DC 1.4 W
Power Loss	at Rated Operating Conditions per Pole 0.32 W
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
Degree of Protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20
Terminal Type	Soldering Pins
Mini Contactor Type	Interface Mini Contactor Relay
Product Name	Mini Contactor Relay
Remarks	No CA6 or CAF6 mountable

Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V AC
General Use Rating UL/CSA	(600 V AC) 5 A
Contact Rating UL/CSA	A600

Environmental

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

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Declaration	2CMT2021-006277
RoHS Information	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)

ABB EcoSolutions

End Of Life Disassembling Instructions	1SBC100156C0270

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Environmental Product Declaration - EPD	1SAC200409H0001

Certificates and Declarations

A2L Certificate – IEC	1SAA938000-4601
CB Certificate	1SAA938001-2001
CQC Certificate	CQC2003010304064035
cURus Certificate	1SAA938000-1901
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	E48139-19881214
UR Certificate	1SAA938000-1801

Container Information

Package Level 1 Units	box 10 piece
Package Level 1 Width	108 mm
Package Level 1 Depth / Length	247 mm
Package Level 1 Height	69 mm
Package Level 1 Gross Weight	1.775 kg
Package Level 1 EAN	4013614411793

External Classifications and Standards

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

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Categories

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



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