## K6-31Z-F-03



## Products + Low Voltage Products and Systems + Control Products + Contactors + Mini Contactors

General Information Extended Product Type: K6-312.F-03   Product ID: GJH1211003R0313   EAN: 4013614231353   Catalog Description: K6-312.F-03 Mini Contactor Relay 48V 40-450Hz   Long Description: The K6-312.F mini contactor relay is a compact 4 pole contactor relay with flat pin connection. 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 swite hing of control signals up to 3 A / 400 V (AC-15). Further features are the s illent coil, a switch position indication and the integrated possibility for rail or wall mounting.   Ordering 1 piece   Minimum Order Quantity: 1 piece   Customs Tariff Number: 85365080   Popular Downloads 2CDC102047M6801   Dimension Diagram: GJL1200437F0001   Dimension Diagram: 52.5 mm   Product Net Width: 52.5 mm   Product Net Weight: 0.17 kg   Technical 0.17 kg   Technical 0.17 kg   Ret Operational Voltage: Auxiliary Circuit 12 240 V DC	Rated Operational Voltage:	Auxiliary Circuit 12 240 V DC
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Rated Frequency (f):	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC Control Circuit 400 Hz Control Circuit 50 Hz Control Circuit 60 Hz Main Circuit 60 Hz Main Circuit 50 Hz
Rated Impulse Withstand Voltage (U <sub>imp</sub> ):	Auxiliary Circuit 6 kV
Rated Insulation Voltage (U <sub>i</sub> ):	690 V acc. to UL/CSA 600 V
Number of Main Contacts NC:	0
Number of Main Contacts NO:	0
Number of Auxiliary Contacts NC:	1
Number of Auxiliary Contacts NO:	3
Rated Operational Current AC-15 (I <sub>e</sub> ):	(120 V) 4 A (220 / 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 <sub>e</sub> ):	(110 V) 0.7 A (220 / 240 V) 0.4 A (24 V) 2.5 A
Conventional Free-air Thermal Current (I <sub>th</sub> ):	Auxiliary Circuit 6 A
Rated Control Circuit Voltage (U <sub>c</sub> ):	48 V AC
Coil Operating Limits:	(acc. to IEC 60947-5-1) for AC supply 0.85 … 1.1 x Uc (at $\theta$ ≤ 55 °C)
Degree of Protection:	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20
Mechanical Durability:	1000000 cycle
Minimum Switching Capacity:	17 V 5 mA
Maximum Electrical Switching Frequency:	AC-15 600 cycles per hour DC-13 600 cycles per hour
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
Power Loss:	at Rated Operating Conditions per Pole 2 W

Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1
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 acc. to IEC 60068-2-6:	3g / 3 150 Hz
RoHS Status:	Following EU Directive 2011/65/EU
Technical UL/CSA	
Maximum Operating Voltage UL/CSA:	Auxiliary Circuit 600 V AC/DC
General Use Rating UL/CSA:	(600 V AC) 5 A
Contact Rating UL/CSA:	A600
Certificates and Declarations (D	ocument Number)
Certificates and Declarations (D CB Certificate:	ocument Number) 1SAA938001-2001
CB Certificate:	1SAA938001-2001
CB Certificate:	1SAA938001-2001 1SAA938000-3803
CB Certificate: CCC Certificate: cUL Certificate:	1SAA938001-2001 1SAA938000-3803 cUL_E48139
CB Certificate: CCC Certificate: cUL Certificate: cUR Certificate:	1SAA938001-2001   1SAA938000-3803   cUL_E48139   1SAA938000-1901
CB Certificate: CCC Certificate: cUL Certificate: cUR Certificate: Declaration of Conformity - CE:	1SAA938001-2001   1SAA938000-3803   cUL_E48139   1SAA938000-1901   1SAA938000-1901   1SAD938512-0001
CB Certificate: CCC Certificate: cUL Certificate: cUR Certificate: Declaration of Conformity - CE: EAC Certificate:	1SAA938001-2001   1SAA938000-3803   cUL_E48139   1SAA938000-1901   1SAA938000-1901   1SAA938001-2701
CB Certificate: CCC Certificate: cUL Certificate: cUR Certificate: Declaration of Conformity - CE: EAC Certificate: Environmental Information:	1SAA938001-2001   1SAA938000-3803   cUL_E48139   1SAA938000-1901   1SAA938000-1901   1SAA938001-2701   1SAA938002-2401
CB Certificate: CCC Certificate: cUL Certificate: cUR Certificate: Declaration of Conformity - CE: EAC Certificate: Environmental Information: Instructions and Manuals:	1SAA938001-2001   1SAA938000-3803   cUL_E48139   1SAA938000-1901   1SAA938000-1901   1SAA938001-2701   1SAA938001-2701   1SAA938002-2401   2CDC102047M6801
CB Certificate: CCC Certificate: cUL Certificate: cUR Certificate: Declaration of Conformity - CE: EAC Certificate: Environmental Information: Instructions and Manuals: RMRS Certificate:	1SAA938001-2001   1SAA938000-3803   cUL_E48139   1SAA938000-1901   1SAA938000-1901   1SAA938001-2701   1SAA938001-2701   1SAA938002-2401   2CDC102047M6801   1SAA938001-0704
CB Certificate: CCC Certificate: cUL Certificate: cUR Certificate: Declaration of Conformity - CE: EAC Certificate: Environmental Information: Instructions and Manuals: RMRS Certificate: RoHS Information:	1SAA938001-2001   1SAA938000-3803   cUL_E48139   1SAA938000-1901   1SAD938512-0001   1SAA938001-2701   1SAA938002-2401   2CDC102047M6801   1SAA938001-0704   1SAD938512-0001
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CB Certificate: CCC Certificate: cUL Certificate: cUR Certificate: Declaration of Conformity - CE: EAC Certificate: Environmental Information: Instructions and Manuals: RMRS Certificate: ROHS Information: UL Certificate: UR Certificate:	1SAA938001-2001   1SAA938000-3803   cUL_E48139   1SAA938000-1901   1SAA938000-1901   1SAA938001-2001   1SAA938001-2701   1SAA938002-2401   2CDC102047M6801   1SAA938001-0704   1SAD938512-0001

Package Level 1 Height:

54 mm

Package Level 1 Length:	280 mm
Package Level 1 Gross Weight:	1.77 kg
Package Level 1 EAN:	4013614410482
Classifications	
Object Classification Code:	К
ETIM 4:	EC000196 - Contactor relay
ETIM 5:	EC000196 - Contactor relay
ETIM 6:	EC000196 - Contactor relay
ETIM 7:	EC000196 - Contactor relay
eClass:	7.0 27371001
UNSPSC:	39121500

