

PRODUCT-DETAILS

TKC6-31Z-F-55

TKC6-31Z-F-55 Mini Contactor Relay 50-90VDC



General Information

Extended Product Type	TKC6-31Z-F-55
Product ID	GJH1213063R5315
EAN	4013614407239
Catalog Description	TKC6-31Z-F-55 Mini Contactor Relay 50-90VDC
Long Description	The TKC6-31Z-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 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.

Ordering

EAN	4013614407239
Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

Dimensions

Product Net Width	52.5 mm
Product Net Height	57.5 mm
Product Net Depth /	46.5 mm

Length

Product Net Weight	0.175 kg
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Container Information

Package Level 1 Units	10 piece
Package Level 1 Width	115 mm
Package Level 1 Height	54 mm
Package Level 1 Depth / Length	280 mm
Package Level 1 Gross Weight	1.82 kg
Package Level 1 EAN	4013614412035

Environmental

Ambient Air Temperature	Operation -30 ... +70 °C Storage -40 ... +85 °C
Maximum Operating Altitude Permissible	2000 m
Resistance to Vibrations acc. to IEC 60068-2-6	3g / 3 ... 150 Hz
Resistance to Shock acc. to IEC 60068-2-27	11 ms Pulse 15g
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

Additional Information

Coil Consumption	Average Holding Value DC 5 W Average Pull-in Value DC 5 W
Coil Operating Limits	(acc. to IEC 60947-4-1) for DC supply U_c Min. ... U_c Max. (at $\theta \leq 55^\circ\text{C}$) (acc. to IEC 60947-5-1) for DC supply U_c Min. ... U_c Max. (at $\theta \leq 55^\circ\text{C}$)
Conventional Free-air Thermal Current (I_{th})	Auxiliary Circuit 6 A
Degree of Protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20
Fire and Smoke Standards	EN 45545 (Hazard levels HL2, HL3)
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 Switching Capacity	17 V 5 mA
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

Mounting Position	Any, Position 1-6
Mounting Type	DIN-rail Screw
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	3
Number of Poles	4
Number of Main Contacts NC	0
Number of Main Contacts NO	0
Product Main Type	TKC6
Product Name	Mini Contactor Relay
Rated Control Circuit Voltage (U_c)	50 ... 90 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
Rated Operational Current AC-15 (I_{θ})	(24 V) 4 A (120 V) 4 A (240 V) 4 A (500 V) 2 A (220 / 240 V) 4 A (380 / 400 V) 3 A
Rated Operational Current DC-13 (I_{θ})	(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
Remarks	No CA6 or CAF6 mountable
RoHS Date	0056
Standards	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1
Terminal Type	Flat-Pin Connections

Certificates and Declarations (Document Number)

Data Sheet, Technical Information	1SBC100214C0201
Declaration of Conformity - CE	1SAD938516-0001
EAC Certificate	1SAA938001-2701
Environmental Information	1SAC200069H0009
RoHS Information	1SAD938516-0001

Classifications		
ETIM 4	EC000196 - Contactor relay	
ETIM 5	EC000196 - Contactor relay	
ETIM 6	EC000196 - Contactor relay	
ETIM 7	EC000196 - Contactor relay	
Object Classification Code	K	
UNSPSC	39121500	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)	
eClass	V11.0 : 27371001	

Categories

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

