

46.5 mm

PRODUCT-DETAILS

Product Net Depth /

KC6-40E-01 KC6-40E-01 Mini Contactor Relay 24VDC



General Information	
Extended Product Type	KC6-40E-01
Product ID	GJH1213001R0401
EAN	4013614049767
Catalog Description	KC6-40E-01 Mini Contactor Relay 24VDC
Long Description	The KC6-40E 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.

applications for switching of control signals up to 3 A / 400 V (AC-15). Further the noiseless and hum-free coil and a a switch positi	
Ordering	
EAN	4013614049767
Minimum Order Quantity	1 piece
Customs Tariff Number	85365080
Dimensions	
Product Net Width	52.5 mm
Product Net Height	57.5 mm

П	er	าต	t	h

Product Net Weight	0.175 kg

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	4013614410970	

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

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

Additional Information	
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 θ ≤ 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
Conventional Free-air Thermal Current (I _{th})	Auxiliary Circuit 6 A

Maximum Electrical Switching Frequency AC-15 000 cycles per hour DC-13 600 cycles per hour DC-13 600 cycles per hour Mechanical Durability DC-13 600 cycles per hour DC-13 600 cycles per hour Mechanical Durability 100000000 cycle Minimum Switching 100000000 cycle Minimum Switching 17 VC Common Minimum Switching 17 VC Common Minimum Switching 17 VC Common Minimum Switching 17 VC Small Mounting no DIN Rail 11 H35-7.5 (38 x 7.5 mm Mounting Rail) acc. to IEC 607 15 TH35-15 (35 x 15 mm Mounting Rail) acc. to I	Degree of Protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20
Minimum Switching Minimum Switching 17 V Capacity 5 TMA Mounting on DIN Rall TH3S-7.5 (35 x 7.5 mm Mounting Rall) acc. to IEC 80715 TH3S-15 (35 x 15 mm Mounting Rall) acc. to IEC 80716 TH3S-15 (35 x 15 mm Mounting Rall) acc		
Minimum Switching 177 Capacity 5 mA Mounting on IDN Rail 1135-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60716 TH35-15 (35 x 15 mm Mounting Rail acc. to IEC 60716 TH35-15 (35 x 15 mm Mounting Rail acc. to IEC 60716 TH35-15 (35 x 15 mm Moun	Mechanical Durability	10000000 cycle
Capacity S.T.M. Mounting no DIN Rail TH3S-T.5 (35 x T.5 mm Mounting Rail) acc. to IECE 60715 TH3S-15 (35 x 15 mm Mounting Rail) acc. to IECE 60715 Mounting Position Any, Position 1-46 Mounting Type SIN-4-11 Sirew Number of Auxiliary DIN-4-11 DI	Mini Contactor Type	Mini Contactor Relay
Mounting Position Any, Position 1-6 Mounting Position Any, Position 1-6 Mounting Type		
Mounting Type DIN-rail Screw Screw Number of Auxiliary Contacts NC Contact NC	Mounting on DIN Rail	
Number of Auxiliary Soreew Contacts NC 0 Number of Auxiliary 4 Contacts NO 4 Number of Deles 4 Number of Main Contacts 0 NC 0 No at Rated Operating Conditions per Pole 2 W Product Main Contacts KC6 Product Main Type KC6 Product Mame Mini Contactor Relay Rated Control Circuit 24 V DC Vollage (U _d) Auxiliary Circuit 50 Hz Rated Frequency (f) Auxiliary Circuit 50 Hz Auxiliary Circuit 50 Hz Auxiliary Circuit 50 Hz Auxiliary Circuit 50 Hz Auxiliary Circuit 50 Hz Auxiliary Circuit 6 HV Auxiliary Circuit 6 HV Voltage (U _{mp}) Auxiliary Circuit 6 HV Rated Insulation Voltage 480 (U _t) acc. to UL/SA 800 V Rated Operational Current (120 V) 4 A AC-15 (I _e) (220 / 240 V) 4 A (240 V) 4 A (240 V) 4 A AC-15 (I _e) (220 / 240 V) 0 A (240 V) 4 A	Mounting Position	Any, Position 1-6
Contacts NC 4 Number of Auxillary 4 Contacts NO 4 Number of Poles 4 Number of Main Contacts 0 Number of Main Contacts 0 Number of Main Contacts 0 No 4 Product Main Type KC6 Product Mame Mini Contactor Relay Rated Control Circuit 24 V DC Voltage (U _C) Auxiliary Circuit 50 Hz Rated Frequency (f) Auxiliary Circuit 50 Hz Auxiliary Circuit 50 Hz Auxiliary Circuit 50 Hz Auxiliary Circuit 50 Hz Auxiliary Circuit 50 Hz Main Circuit 50 Hz Main Circuit 50 Hz Rated Insulation Voltage (U _{Ir}) Auxiliary Circuit 6 Hz Rated Operational Current (10 V) 4 A AC-15 (I _a) (220 / 240 V) 4 A (24 V) 2 A (24 V) 2 A AC (250 / 240 V) 4 A (24 V) 2 A AC (2	Mounting Type	
Contacts NO 4 Number of Poles 4 Number of Main Contacts 0 Number of Main Contacts 0 Number of Main Contacts 0 Power Loss at Rated Operating Conditions per Pole 2 W Product Main Type KC6 Product Name Mini Contactor Relay Rated Control Circuit 24 V DC Voltage (U _c) Auxiliary Circuit 50 Hz Rated Frequency (f) Auxiliary Circuit 50 Hz Main Circuit DC Auxiliary Circuit 50 Hz Main Circuit DC Main Circuit DC Rated Impulse Withstand Auxiliary Circuit 6 kV Voltage (U _{imp}) 3 Rated Operational Current (200 V Qu) Rated Operational Current (200 V Qu) Rated Operational Current (200 V Qu) DC-13 (Q _s) (200 V Qu) Rated Operational Current (200 V Qu) DC-13 (Q _s) (200 V Qu) Rated Operational Current (200 V Qu) DC-13 (Q _s) (200 V Qu) Rated Operational Current (200 V Qu) <tr< td=""><td></td><td>0</td></tr<>		0
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Voltage (U _e) Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Main Circuit 00 Hz Main Circuit 50 Hz Main Circuit 6 kV Voltage (U _{mp}) Rated Insulation Voltage 690 V (U ₁) Rated Operational Current (120 V) 4 A (220 V) 4 A (240 V) 4 A	Product Name	Mini Contactor Relay
Auxiliary Circuit 60 Hz		24 V DC
Rated Impulse Withstand Voltage (U _{Imp}) Auxiliary Circuit 6 kV Rated Insulation Voltage (U _I) 690 V (U _I) Rated Operational Current AC-15 (I _e) (120 V) 4 A (220 /240 V) 4 A (240 V) 3 A (580 /400 V) 3 A (500 V) 2 A (500 V) 2 A (200 /240 V) 4 A (220 /240 V) 4 A (240	Rated Frequency (f)	Auxiliary Circuit 60 Hz Auxiliary Circuit DC Control Circuit DC Main Circuit 60 Hz Main Circuit 50 Hz
Rated Insulation Voltage	Rated Impulse Withstand Voltage (U _{imp})	
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Rated Operational Current (110 V) 0.7 A DC-13 (I _e) (220 / 240 V) 0.4 A (24 V) 2.5 A Rated Operational Voltage Auxiliary Circuit 12 240 V DC Auxiliary Circuit 12 500 V AC/DC Auxiliary Circuit 690 V RoHS Date 0056 Standards IEC/EN 60947-4 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-4 UL 60947-4 UL 60947-4-1 UL 60947-4-1	Rated Operational Current	(220 / 240 V) 4 A (240 V) 4 A (24 V) 4 A (380 / 400 V) 3 A
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Standards IEC/EN 60947-4- IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1	Rated Operational Voltage	Auxiliary Circuit 12 240 V DC Auxiliary Circuit 12 500 V AC/DC
IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1	RoHS Date	0056
Terminal Type Screw Terminals	Standards	IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1
	Terminal Type	Screw Terminals

Auxiliary Circuit 0.8 1.1 N·m
Control Circuit 0.8 1.1 N·m

Certificates and Declarations (Document Number)	
CB Certificate	1SAA938001-2001
CCC Certificate	1SAA938000-3804
cUL Certificate	1SAA938002-1701
Data Sheet, Technical Information	1SBC100173C0201
Declaration of Conformity - CE	1SAD938515-0001
EAC Certificate	1SAA938001-2701
Instructions and Manuals	2CDC102047M6801
RMRS Certificate	1SAA938001-0704
RoHS Information	1SAD938514-0001
UL Certificate	1SAA938002-1601
Dimension Diagram	GJL1200436F0001

Classifications	
ETIM 4	EC000196 - Contactor relay
ETIM 5	EC000196 - Contactor relay
ETIM 6	EC000196 - Contactor relay
ETIM 7	EC000196 - Contactor relay
Object Classification Code	К
UNSPSC	39121500
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
eClass	7.0 27371001

Categories

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

