

KC6-40E-01



General Information

Extended Product Type:	KC6-40E-01
Product ID:	GJH1213001R0401
EAN:	4013614049767
Catalog Description:	KC6-40E-01 Mini Contactor Relay
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.

Categories

Products » Low Voltage Products and Systems » Control Products » Contactors » Mini Contactors

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
Product Net Depth:	46.5 mm
Product Net Weight:	0.175 kg

Container Information

Package Level 1 Units:	10 piece
Package Level 1 Width:	115.0 mm
Package Level 1 Height:	54.0 mm
Package Level 1 Length:	280.0 mm
Package Level 1 Gross Weight:	1.820 kg
Package Level 1 EAN:	4013614410970

Technical

Number of Poles:	4
Mini Contactor Type:	Mini Contactor Relay
Rated Operational Voltage:	Auxiliary Circuit 12 ... 240 V DC Auxiliary Circuit 12 ... 500 V AC DC Auxiliary Circuit 690
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
Number of Main Contacts NC:	0

Number of Main Contacts NO:	0
Number of Auxiliary Contacts NC:	0
Number of Auxiliary Contacts NO:	4
Rated Operational Current AC-15 (I_{θ}):	(120V) 4.000 A (220 / 240V) 4 A (240V) 4.000 A (24V) 4.000 A (380 / 400V) 3.000 A (500V) 2.000 A
Rated Operational Current DC-13 (I_{θ}):	(110V) 0.700 A (220 / 240V) 0.400 A (24V) 2.500 A
Conventional Free-air Thermal Current (I_{th}):	Auxiliary Circuit 6.000 A
Rated Control Circuit Voltage (U_C):	24 V DC
Coil Operating Limits:	(acc. to IEC 60947-5-1) for DC supply 0.85 ... 1.1 x U_C (at $\theta \leq 55$ °C)
Degree of Protection:	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20
Mechanical Durability:	10000000 cycle
Minimum switching capacity [V/mA]:	>17 VLT>5 mA
Maximum Electrical Switching Frequency:	AC-15 600 cycles per hour DC-13 600 cycles per hour
Connecting Capacity-Auxiliary Circuit:	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Connecting Capacity-Control Circuit:	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Wire Stripping Length:	Auxiliary Circuit 9 mm
Tightening Torque:	Auxiliary Circuit 0.8 ... 1.1 N·m Control Circuit 0.8 ... 1.1 N·m
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:	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 2002/95/EC August 18, 2005 and amendment

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Auxiliary Circuit 600 V AC/DC
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

Contact Rating UL/CSA: A600**General Use Rating UL/CSA:** 600V AC 5.00 A

Certificates and Declarations (Document Number)

CB Certificate:	1SAA938001-2001
CCC Certificate:	1SAA938000-3803
cUL Certificate:	1SAA938002-1701
Declaration of Conformity - CE:	1SAD938510-0001
EAC Certificate:	1SAA938001-2701
RMRS Certificate:	1SAA938001-0703
RoHS Information:	1SAA938002-4402
UL Certificate:	1SAA938002-1601

Classifications

Object Classification Code:	K
ETIM 4.0:	EC000196 - Contactor relay
ETIM 5.0:	EC000196 - Contactor relay
UNSPSC:	39121500
