



**Automatización Eléctrica**

Especialistas en Automatización

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## General Information

Extended Product Type:	KC6-40E-07
Product ID:	GJH1213001R0407
EAN:	4013614049811
Catalog Description:	KC6-40E-07 Mini Contactor Relay 12VDC
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 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 a switch position indication.

## Categories

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

## Ordering

EAN:	4013614049811
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 mm
Package Level 1 Height:	54 mm
Package Level 1 Length:	280 mm
Package Level 1 Gross Weight:	1.82 kg
Package Level 1 EAN:	4013614411038

## 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 V
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 <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:	0
Number of Auxiliary Contacts NO:	4
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

<b>Rated Control Circuit Voltage (U<sub>c</sub>):</b>	12 V DC
<b>Coil Operating Limits:</b>	(acc. to IEC 60947-5-1) for DC supply 0.85 ... 1.1 x U <sub>c</sub> (at $\theta \leq 55$ °C)
<b>Degree of Protection:</b>	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20
<b>Mechanical Durability:</b>	10000000 cycle
<b>Minimum Switching Capacity:</b>	17 V 5 mA
<b>Maximum Electrical Switching Frequency:</b>	AC-15 600 cycles per hour DC-13 600 cycles per hour
<b>Connecting Capacity-Auxiliary Circuit:</b>	Flexible with Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid 1/2x 1 ... 4 mm <sup>2</sup>
<b>Connecting Capacity-Control Circuit:</b>	Flexible with Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid 1/2x 1 ... 4 mm <sup>2</sup>
<b>Wire Stripping Length:</b>	Auxiliary Circuit 9 mm
<b>Tightening Torque:</b>	Auxiliary Circuit 0.8 ... 1.1 N·m Control Circuit 0.8 ... 1.1 N·m
<b>Mounting on DIN Rail:</b>	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
<b>Power Loss:</b>	at Rated Operating Conditions per Pole 2 W
<b>Standards:</b>	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1

## Environmental

<b>Ambient Air Temperature:</b>	Operation -25 ... +55 °C Storage -40 ... +80 °C
<b>Maximum Operating Altitude Permissible:</b>	2000 m
<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	11 ms Pulse 15g
<b>Resistance to Vibrations acc. to IEC 60068-2-6:</b>	3g / 3 ... 150 Hz
<b>RoHS Status:</b>	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Technical UL/CSA

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

## Certificates and Declarations (Document Number)

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

## Classifications

<b>Object Classification Code:</b>	K
<b>eClass:</b>	7.0 27371001
<b>ETIM 4:</b>	EC000196 - Contactor relay
<b>ETIM 5:</b>	EC000196 - Contactor relay
<b>UNSPSC:</b>	39121500





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Product	Code	Reference	Product link
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