

Detailed information for: KC6-40E-07

This page contains technical data sheet, documents library and links to offering related to this product. If you require any other information, please contact us using form located at the bottom of the page.

[Print...](#)

[Print to Pdf...](#)

Data Sheet

Documentation

KC6-40E-07

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

Minimum Order Quantity: 1 piece

Customs Tariff Number: 85365080

Popular Downloads

Data Sheet, Technical Information: [1SBC100173C0201](#)

Dimension Diagram: [GJL1200436F0001](#)

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
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 _{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 _e):	(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 _e):	(110 V) 0.7 A (220 / 240 V) 0.4 A (24 V) 2.5 A
Conventional Free-air Thermal Current (I _{th}):	Auxiliary Circuit 6 A
Rated Control Circuit Voltage (U _c):	12 V DC
Coil Operating Limits:	(acc. to IEC 60947-5-1) for DC supply 0.85 ... 1.1 x U _c (at θ ≤ 55 °C)
Degree of Protection:	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20
Mechanical Durability:	10000000 cycle
Minimum Switching Capacity:	17 V 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

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/EC

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
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

Certificates and Declarations (Document Number)

CB Certificate:	1SAA938001-2001
CCC Certificate:	1SAA938000-3804
cUL Certificate:	1SAA938002-1701
Declaration of Conformity - CE:	1SAD938512-0001
EAC Certificate:	1SAA938001-2701
Instructions and Manuals:	2CDC102047M6801
RMRS Certificate:	1SAA938001-0704
RoHS Information:	1SAD938512-0001
UL Certificate:	1SAA938002-1601

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

Classifications

Object Classification Code:	K
ETIM 4:	EC000196 - Contactor relay
ETIM 5:	EC000196 - Contactor relay
ETIM 6:	EC000196 - Contactor relay
eClass:	7.0 27371001
UNSPSC:	39121500

Contact information

What would you like to do?

I need more information

ABB Sales ▲

Submit your inquiry

Country

United States of America ▼

Name

Company

E-Mail

Phone

Zip code

Your message

[→ Privacy policy](#)

Cancel

Send message

Your local ABB Sales Team

Name

Customer Support

▲ Close