

# K6-40E-80



Products Low Voltage Products and Systems Control Products Contactors Mini Contactors

## General Information

<b>Extended Product Type:</b>	K6-40E-80
<b>Product ID:</b>	GJH1211001R8400
<b>EAN:</b>	4013614153273
<b>Catalog Description:</b>	K6-40E-80 Mini Contactor Relay 220-240V 40-450Hz
<b>Long Description:</b>	The K6-40E 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 silent coil, a switch position indication and the integrated possibility for rail or wall mounting.

## Additional Information

<b>Ambient Air Temperature:</b>	Operation -25 ... +55 °C Storage -40 ... +80 °C
<b>CB Certificate:</b>	1SAA938001-2001
<b>CCC Certificate:</b>	1SAA938000-3804
<b>Co-ordination with Short-Circuit Protective Devices - Type 1:</b>	gG Type Fuses 6 A
<b>Coil Consumption:</b>	Average Holding Value 50 Hz 3.5 V·A Average Pull-in Value 50 Hz 3.5 V·A
<b>Coil Operating Limits:</b>	(acc. to IEC 60947-5-1) for AC supply 0.85 ... 1.1 x U <sub>c</sub> (at $\theta \leq 55$ °C)
<b>Connecting Capacity Auxiliary Circuit UL/CSA:</b>	Stranded 1/2x 22-10 AWG
<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>Contact Rating UL/CSA:</b>	A600
<b>Conventional Free-air Thermal Current (I<sub>th</sub>):</b>	Auxiliary Circuit 6 A
<b>Country of Origin:</b>	Germany (DE)
<b>Customs Tariff Number:</b>	85365080
<b>Data Sheet, Technical Information:</b>	1SBC100173C0201
<b>Declaration of Conformity - CE:</b>	1SAD938510-0001
<b>Degree of Protection:</b>	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20
<b>Dimension Diagram:</b>	GJL1200436F0001
<b>EAC Certificate:</b>	1SAA938001-2701
<b>EAN:</b>	4013614153273
<b>EPLAN Catalog Tree:</b>	Electrical engineering / Relays, contactors / Contactors
<b>EPLAN Function Definition:</b>	Coil / Coil, 2 connection points / Coil for power contactor A1_A2 NO contact / NO contact, 2 connection points / NO auxiliary contact 43_44 NO contact / NO contact, 2 connection points / NO auxiliary contact 33_34 NO contact / NO contact, 2 connection points / NO auxiliary contact 23_24 NO contact / NO contact, 2 connection points / NO auxiliary contact 13_14
<b>ETIM 4:</b>	EC000196 - Contactor relay

ETIM 5:	EC000196 - Contactor relay
ETIM 6:	EC000196 - Contactor relay
Environmental Information:	1SAA938002-2401
General Use Rating UL/CSA:	(600 V AC) 5 A
IIT Publishing Status:	Level 0 - Information enabled
Industrial IT Certification Level:	0
Instructions and Manuals:	2CDC102047M6801
Invoice Description:	K6-40E-80 Mini Contactor Relay 220-240V 40-450Hz
Maximum Electrical Switching Frequency:	AC-15 600 cycles per hour DC-13 600 cycles per hour
Maximum Operating Altitude Permissible:	2000 m
Maximum Operating Voltage UL/CSA:	Auxiliary Circuit 600 V AC/DC
Mechanical Durability:	10000000 cycle
Mini Contactor Type:	Mini Contactor Relay
Minimum Order Quantity:	1 piece
Minimum Switching Capacity:	17 V 5 mA
Mounting Position:	Any, Position 1-6
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
Number of Auxiliary Contacts NC:	0
Number of Auxiliary Contacts NO:	4
Number of Main Contacts NC:	0
Number of Main Contacts NO:	0
Number of Poles:	4
Object Classification Code:	K
Package Level 1 EAN:	4013614410376
Package Level 1 Gross Weight:	1.82 kg
Package Level 1 Height:	54 mm
Package Level 1 Length:	280 mm
Package Level 1 Units:	10 piece
Package Level 1 Width:	115 mm
Power Loss:	at Rated Operating Conditions per Pole 2 W
Product Main Type:	K6
Product Name:	Mini Contactor Relay
Product Net Depth:	46.5 mm
Product Net Height:	57.5 mm
Product Net Weight:	0.175 kg
Product Net Width:	52.5 mm
RMRS Certificate:	1SAA938001-0704
Rated Control Circuit Voltage (U <sub>c</sub> ):	220 ... 240 V AC
Rated Frequency (f):	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC Control Circuit 400 Hz Control Circuit 50 Hz Control Circuit 60 Hz 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> ):	600 V

<b>Rated insulation voltage (U<sub>i</sub>):</b>	690 V acc. to UL/CSA 600 V
<b>Rated Operational Current AC-15 (I<sub>e</sub>):</b>	(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
<b>Rated Operational Current DC-13 (I<sub>e</sub>):</b>	(110 V) 0.7 A (220 / 240 V) 0.4 A (24 V) 2.5 A
<b>Rated Operational Voltage:</b>	Auxiliary Circuit 12 ... 240 V DC Auxiliary Circuit 12 ... 500 V AC/DC Auxiliary Circuit 690 V
<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 Date:</b>	0056
<b>RoHS Information:</b>	1SAA938002-4402
<b>RoHS Status:</b>	Following EU Directive 2002/95/EC August 18, 2005 and amendment
<b>Selling Unit of Measure:</b>	piece
<b>Short Description:</b>	K6-40E-80 Mini Contactor Relay
<b>Short-Circuit Protective Devices:</b>	gG Type Fuses 10 A
<b>Standards:</b>	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1
<b>Terminal Type:</b>	Screw Terminals
<b>Tightening Torque:</b>	Auxiliary Circuit 0.8 ... 1.1 N·m Control Circuit 0.8 ... 1.1 N·m
<b>Tightening Torque UL/CSA:</b>	Auxiliary Circuit 7 in·lb Control Circuit 7 in·lb
<b>UL Certificate:</b>	UL_E48139
<b>UNSPSC:</b>	39121500
<b>Wire Stripping Length:</b>	Auxiliary Circuit 9 mm
<b>cUL Certificate:</b>	cUL_E48139
<b>eClass:</b>	7.0 27371001

