

# Detailed information for: KC6-22Z-07

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Data Sheet

Documentation

## KC6-22Z-07

### General Information

Extended Product Type: KC6-22Z-07

Product ID:	GJH1213001R0227
EAN:	4013614049699
Catalog Description:	KC6-22Z-07 Mini Contactor Relay 12VDC

**Long Description:** The KC6-22Z 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:	<a href="#">1SBC100173C0201</a>
Dimension Diagram:	<a href="#">GJL1200436F0001</a>

### 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
<b>Technical</b>	
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:	2
Number of Auxiliary Contacts NO:	2
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
Rated Control Circuit Voltage (U <sub>c</sub> ):	12 V DC
Coil Operating Limits:	(acc. to IEC 60947-5-1) for DC supply 0.85 ... 1.1 x U <sub>c</sub> (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 <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>
Connecting Capacity Control Circuit:	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>
Wire Stripping Length:	Auxiliary Circuit 9 mm
Tightening Torque:	Auxiliary 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
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<b>Power Loss:</b>	at Rated Operating Conditions per Pole 2 W
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<b>Standards:</b>	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1
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## Environmental

<b>Ambient Air Temperature:</b>	Operation -25 ... +55 °C Storage -40 ... +80 °C
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<b>Maximum Operating Altitude Permissible:</b>	2000 m
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<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	11 ms Pulse 15g
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<b>Resistance to Vibrations acc. to IEC 60068-2-6:</b>	3g / 3 ... 150 Hz
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<b>RoHS Status:</b>	Following EU Directive 2011/65/EC
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## Technical UL/CSA

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

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

<b>Package Level 1 Units:</b>	10 piece
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<b>Package Level 1 Width:</b>	115 mm
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<b>Package Level 1 Height:</b>	54 mm
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<b>Package Level 1 Length:</b>	280 mm
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<b>Package Level 1 Gross Weight:</b>	1.82 kg
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<b>Package Level 1 EAN:</b>	4013614410901
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## 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

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