

General Information

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| Extended Product Type: | B7-30-10-01 |
| Product ID: | GJL1311001R0101 |
| EAN: | 4013614156397 |
| Catalog Description: | B7-30-10-01 Mini Contactor 24V 40-450Hz |
| Long Description: | The B7-30-10 mini contactor is a compact 3 pole contactor with 1 auxiliary contact and screw terminals. They are ideally suited for applications where reliability is a must and space is at a premium. Mini contactors are used in residential buildings, commercial buildings and industrial applications for the control of single or three-phase loads up to 5.5 kW (AC-3) and 20 A / 690 V (AC-1) or switching of control signals. Further features are the silent coil, a switch position indication and the integrated possibility for rail or wall mounting. |

Categories

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

Ordering

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| EAN: | 4013614156397 |
| Minimum Order Quantity: | 1 piece |
| Customs Tariff Number: | 85365080 |

Dimensions

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| 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

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| 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: | 4013614416552 |

Technical

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| Number of Poles: | 4 |
| Mini Contactor Type: | Mini Contactor |
| Rated Operational Voltage: | Auxiliary Circuit 12 ... 240 V DC Auxiliary Circuit 12 ... 500 V AC/DC Main Circuit 12 ... 690 V AC/DC Main Circuit 690 V AC |
| Rated Frequency (f): | 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_{imp}): | Auxiliary Circuit 6 kV Main 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: | 3 |
| Rated Operational Current AC-1 (I_e): | (220 / 240 V) 40 °C 20 A (220 / 240 V) 55 °C 16 A (380 / 440 V) 40 °C 20 A (380 / 440 V) 55 °C 16 A (690 V) 40 °C 6 A (690 V) 55 °C 6 A |
| Rated Operational Power AC-3 (P_e): | (220 / 230 / 240 V) 3 kW (400 V) 5.5 kW (400 V) Three Phase 5.5 kW (440 V) 5.5 kW (500 V) 5.5 kW (690 V) 3 kW |
| Rated Short-time Withstand Current | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 96 A |

(I_{cw}):

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| Number of Auxiliary Contacts NC: | 0 |
| Number of Auxiliary Contacts NO: | 1 |
| Rated Operational Current AC-15 (I_e): | (120 V) 4 A (220 / 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}): | Main Circuit 20 A |
| Rated Control Circuit Voltage (U_c): | 24 V AC |
| Coil Operating Limits: | (acc. to IEC 60947-4-1) for AC supply 0.85 ... 1.1 x U _c (at θ ≤ 55 °C) |
| Degree of Protection: | Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20 |
| Mechanical Durability: | 10000000 cycle |
| Minimum Switching Capacity: | 17 V 5 mA |
| Maximum Electrical Switching Frequency: | AC-1 300 cycles per hour AC-15 600 cycles per hour AC-3 600 cycles per hour DC-1 600 cycles per hour DC-13 600 cycles per hour DC-3 600 cycles per hour |
| Connecting Capacity-Main 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-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 Main Circuit 9 mm |
| Tightening Torque: | Auxiliary Circuit 0.8 ... 1.1 N·m Control Circuit 0.8 ... 1.1 N·m Main 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

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| 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: | 5g / 5 ... 150 Hz |
| RoHS Status: | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

Technical UL/CSA

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| Maximum Operating Voltage UL/CSA: | Main Circuit 600 V AC |
| Full Load Amps Motor Use: | (240 V AC) Single Phase 10 A (440 ... 480 V AC) Three Phase 7.6 A |
| Horsepower Rating UL/CSA: | (208 V AC) Three Phase 3 Hp (220 ... 240 V AC) Single Phase 1.5 Hp (220 ... 240 V AC) Three Phase 3 Hp (440 ... 480 V AC) Three Phase 5 Hp |

(550 ... 600 V AC) Three Phase 5 Hp

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| General Use Rating UL/CSA: | (600 V AC) 16 A |
| Connecting Capacity Main Circuit UL/CSA: | Stranded 1/2x 22 ... 10 AWG |
| 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 Main Circuit 7 in-lb |

Certificates and Declarations (Document Number)

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| BV Certificate: | 1SAA938000-0203 |
| CB Certificate: | 1SAA938000-2002 |
| CCC Certificate: | 1SAA938001-3804 |
| cUL Certificate: | 1SAA938003-1701 |
| Declaration of Conformity - CE: | 1SAD938510-0001 |
| DNV Certificate: | 1SAA938000-0305 |
| EAC Certificate: | 1SAA920000-2702 |
| GL Certificate: | 1SAA938000-0403 |
| LR Certificate: | 1SAA938000-0504 |
| RMRS Certificate: | 1SAA938000-0703 |
| RoHS Information: | 1SAA938003-4403 |
| UL Certificate: | 1SAA938000-1604 |

Classifications

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| Object Classification Code: | Q |
| eClass: | 7.0 27371003 |
| ETIM 4: | EC000066 - Magnet contactor, AC-switching |
| ETIM 5: | EC000066 - Magnet contactor, AC-switching |
| UNSPSC: | 39121529 |

Accessories [Show accessory images](#)

15 Products Filter

| Identifier | Description | Type | Qty | Unit Of Measure |
|-----------------|----------------------------|----------|-----|-----------------|
| GJL1201317R0002 | CA6-11E Auxiliary Contact | CA6-11E | 1 | piece |
| GJL1201317R0003 | CA6-11M Auxiliary Contact | CA6-11M | 1 | piece |
| GJL1201317R0004 | CA6-11N Auxiliary Contact | CA6-11N | 1 | piece |
| GJL1201330R0002 | CAF6-11E Auxiliary Contact | CAF6-11E | 1 | piece |
| GJL1201330R0003 | CAF6-11M Auxiliary Contact | CAF6-11M | 1 | piece |
| GJL1201330R0004 | CAF6-11N Auxiliary Contact | CAF6-11N | 1 | piece |
| GJL1201330R0006 | CAF6-20E Auxiliary Contact | CAF6-20E | 1 | piece |
| GJL1201330R0007 | CAF6-20M Auxiliary Contact | CAF6-20M | 1 | piece |
| GJL1201330R0008 | CAF6-20N Auxiliary Contact | CAF6-20N | 1 | piece |
| GJL1201330R0010 | CAF6-02E Auxiliary Contact | CAF6-02E | 1 | piece |
| GJL1201330R0011 | CAF6-02M Auxiliary Contact | CAF6-02M | 1 | piece |
| GJL1201330R0012 | CAF6-02N Auxiliary Contact | CAF6-02N | 1 | piece |
| GJL1201904R0001 | BN6 Plunger | BN6 | 1 | piece |
| GJL1201906R0001 | LT6-B Cover Cap | LT6-B | 1 | piece |
| GJL1201907R0001 | LP6 Connecting Link | LP6 | 1 | piece |

