

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

General Information

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| Extended Product Type: | B6-40-00-P-84 |
| Product ID: | GJL1211209R8004 |
| EAN: | 4013614189333 |
| Catalog Description: | B6-40-00-P-84 Mini Contactor 110-127V 40-450Hz |
| Long Description: | The B6-40-00-P mini contactor is a compact 4 pole contactor with soldering pins. 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 4 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 mounting. |

Ordering

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

Popular Downloads

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|-------------------------------------------|-----------------|
| Data Sheet, Technical Information: | 1SBC100173C0201 |
| Instructions and Manuals: | 2CDC102047M6801 |
| Dimension Diagram: | GJL1200438F0001 |

Dimensions

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| Product Net Width: | 47.5 mm |
| Product Net Height: | 45.5 mm |
| Product Net Depth: | 51.5 mm |
| Product Net Weight: | 0.17 kg |

Technical

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| Mini Contactor Type: | Mini Contactor |
| Rated Operational Voltage: | 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 |

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| 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: | 4 |
| Rated Operational Current AC-1 (I_e): | (220 / 240 V) 40 °C 12 A (220 / 240 V) 55 °C 12 A (380 / 440 V) 40 °C 12 A (380 / 440 V) 55 °C 12 A (690 V) 40 °C 6 A (690 V) 55 °C 6 A |
| Rated Operational Power AC-3 (P_e): | (220 / 230 / 240 V) 2.2 kW (400 V) 4 kW (400 V) Three Phase 4 kW (440 V) 4 kW (500 V) 4 kW (690 V) 3 kW |
| Rated Short-time Withstand Current (I_{cw}): | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 64 A |
| Number of Auxiliary Contacts NC: | 0 |
| Number of Auxiliary Contacts NO: | 0 |
| Conventional Free-air Thermal Current (I_{th}): | Main Circuit 12 A |
| Rated Control Circuit Voltage (U_c): | 110 ... 127 V AC |
| Coil Operating Limits: | (acc. to IEC 60947-4-1) for AC supply 0.85 ... 1.1 x U_c (at $\theta \leq 55$ °C) |
| Degree of Protection: | Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20 |
| Mechanical Durability: | 10000000 cycle |
| Maximum Electrical Switching Frequency: | AC-1 300 cycles per hour AC-15 360 cycles per hour AC-3 600 cycles per hour DC-1 600 cycles per hour DC-13 360 cycles per hour DC-3 600 cycles per hour |
| 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 |

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| Standards: | 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

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| Ambient Air Temperature: | Operation -20 ... +55 °C Storage -40 ... +80 °C |
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| Maximum Operating Altitude Permissible: | 2000 m |
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| Resistance to Shock acc. to IEC 60068-2-27: | 11 ms Pulse 15g |
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| Resistance to Vibrations acc. to IEC 60068-2-6: | 5g / 5 ... 150 Hz |
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| RoHS Status: | Following EU Directive 2011/65/EU |
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Technical UL/CSA

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| Maximum Operating Voltage UL/CSA: | Main Circuit 600 V AC Auxiliary Circuit 600 V AC/DC |
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| Full Load Amps Motor Use: | (240 V AC) Single Phase 4.9 A (440 ... 480 V AC) Three Phase 4.8 A |
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| Horsepower Rating UL/CSA: | (208 V AC) Three Phase 1 Hp (220 ... 240 V AC) Single Phase 0.5 Hp (220 ... 240 V AC) Three Phase 2 Hp (440 ... 480 V AC) Three Phase 3 Hp (550 ... 600 V AC) Three Phase 1 Hp |
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| General Use Rating UL/CSA: | (300 V AC) 8 A |
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| Tightening Torque UL/CSA: | Auxiliary Circuit 7 in·lb Control Circuit 7 in·lb Main Circuit 7 in·lb |
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Certificates and Declarations (Document Number)

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| BV Certificate: | 1SAA920000-0204 |
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| CB Certificate: | 1SAA938000-2002 |
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| CCC Certificate: | 1SAA938001-3804 |
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| cUL Certificate: | cUL E191658 |
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| Declaration of Conformity - CE: | 1SAD938512-0001 |
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| DNV GL Certificate: | 1SAA938000-0306 |
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| EAC Certificate: | 1SAA920000-2702 |
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| Instructions and Manuals: | 2CDC102047M6801 |
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| KC Certificate: | 1SAA938000-1501 |
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| LR Certificate: | 1SAA938000-0504 |
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RMRS Certificate: 1SAA938000-0704

RoHS Information: 1SAD938512-0001

Container Information

Package Level 1 Units: 10 piece

Package Level 1 Width: 108 mm

Package Level 1 Height: 69 mm

Package Level 1 Length: 247 mm

Package Level 1 Gross Weight: 1.775 kg

Package Level 1 EAN: 4013614413407

Classifications

Object Classification Code: Q

ETIM 4: EC000066 - Magnet contactor, AC-switching

ETIM 5: EC000066 - Magnet contactor, AC-switching

ETIM 6: EC000066 - Power contactor, AC switching

ETIM 7: EC000066 - Power contactor, AC switching

eClass: 7.0 27371003

UNSPSC: 39121529

Accessories

| Identifier | Description | Type | Qty | Unit Of Measure |
|-----------------|-----------------------------|-----------|-----|-----------------|
| GJL1201319R0002 | CA6-11E-P Auxiliary Contact | CA6-11E-P | 1 | piece |
| GJL1201319R0003 | CA6-11M-P Auxiliary Contact | CA6-11M-P | 1 | piece |
| GJL1201319R0004 | CA6-11N-P Auxiliary Contact | CA6-11N-P | 1 | piece |

