11B6301000400220



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1000A, AC/DC COIL, 220...240VAC/DC



| Product designation | | | Power contactor |
|----------------------------------------------------------------------|--------------|-----|-----------------|
| Product type designation | | | B6301000 |
| Contact characteristics | | | |
| Number of poles | | Nr. | 4 |
| Rated insulation voltage Ui IEC/EN | | V | 1000 |
| | | | |
| Rated impulse withstand voltage Uimp | | kV | 8 |
| Operational frequency | | | |
| | min | Hz | 25 |
| | max | Hz | 400 |
| IEC Conventional free air thermal current Ith | | А | 1000 |
| Operational current le | | | |
| | AC-1 (≤40°C) | А | 1000 |
| | AC-1 (≤55°C) | A | 850 |
| | AC-1 (≤70°C) | A | 700 |
| | · · · · | | |
| | AC-4 (400V) | A | 260 |
| Rated operational power AC-1 (T≤40°C) | | | |
| | 230V | kW | 350 |
| | 400V | kW | 600 |
| | 500V | kW | 750 |
| | 690V | kW | 1000 |
| IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series | | | |
| • | 75V | А | 800 |
| | 110V | A | 460 |
| | 220V | A | |
| | 330V | A | |
| | | | |
| | 460V | A | |
| IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series | | | |
| | 75V | А | 800 |
| | 110V | Α | 800 |
| | 220V | Α | 700 |
| | 330V | А | |
| | 460V | А | |
| IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series | | | |
| · · · · · · · · · · · · · · · · · · · | 75V | А | 800 |
| | 110V | A | 800 |
| | 220V | A | 800 |
| | | | |
| | 330V | A | 700 |
| | 460V | A | |
| IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series | | | |
| | 75V | А | 800 |
| | 110V | А | 800 |
| | 220V | А | 800 |
| | 330V | А | 750 |
| | 460V | A | 700 |
| | 1001 | , , | |

IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series



11B6301000400220 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1000A, AC/DC COIL, 220...240VAC/DC

| | 75V | А | 800 |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|----------------------------------------|
| | 110V | A | 460 |
| | 220V | А | |
| | 330V | А | |
| | 460V | A | |
| EC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series | | | |
| | 75V | А | 800 |
| | 110V | A | 800 |
| | 220V | A | 700 |
| | 330V | A | |
| | 460V | A | |
| EC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series | 400 v | A | |
| EC max current le in DC3-DC3 with $E/K \le 15$ ms with 5 poles in series | 75\/ | ^ | 800 |
| | 75V | A | 800 |
| | 110V | A | 800 |
| | 220V | A | 800 |
| | 330V | A | 650 |
| | 460V | A | |
| EC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series | | | |
| | 75V | A | 800 |
| | 110V | А | 800 |
| | 220V | А | 800 |
| | 330V | А | 650 |
| | 460V | Α | 700 |
| Short-time allowable current for 10s (IEC/EN60947-1) | | Α | 5600 |
| Protection fuse | | | |
| | gG (IEC) | А | 1000 |
| Making capacity (RMS value) | | А | 6300 |
| Breaking capacity at voltage | | | |
| | 440V | А | 6300 |
| | 500V | А | 5600 |
| | 690V | А | 5000 |
| Resistance per pole (average value) | | mΩ | 0.14 |
| Power dissipation per pole (average value) | | | - |
| ····· | lth | W | 140 |
| | AC-3 | Ŵ | 56 |
| ightening torque for terminals | 100 | •• | 00 |
| | min | Nm | 55 |
| | max | Nm | 55 |
| | min | Ibin | 40.6 |
| | max | Ibin | 40.6 |
| | max | | 40.0 |
| ightening torque for coil terminal | | | |
| ightening torque for coil terminal | | Nim | 1 |
| Fightening torque for coil terminal | min | Nm Nm | 1 1 |
| Fightening torque for coil terminal | max | Nm | 1 |
| ightening torque for coil terminal | max min | Nm Ibin | 1 0.74 |
| | max | Nm Ibin Ibin | 1 0.74 0.74 |
| fax number of wires simultaneously connectable | max min | Nm Ibin | 1 0.74 |
| Max number of wires simultaneously connectable Conductor section | max min | Nm Ibin Ibin | 1 0.74 0.74 |
| Fightening torque for coil terminal Max number of wires simultaneously connectable Conductor section AWG/Kcmil | max min | Nm Ibin Ibin | 1 0.74 0.74 2 |
| Max number of wires simultaneously connectable Conductor section AWG/Kcmil | max min | Nm Ibin Ibin | 1 0.74 0.74 2 2x 900 kcmil |
| Max number of wires simultaneously connectable Conductor section AWG/Kcmil Power terminal protection according to IEC/EN 60529 | max min max | Nm Ibin Ibin | 1 0.74 0.74 2 |
| Max number of wires simultaneously connectable Conductor section AWG/Kcmil Power terminal protection according to IEC/EN 60529 | max min max | Nm Ibin Ibin | 1 0.74 0.74 2 2x 900 kcmil |
| Nax number of wires simultaneously connectable Conductor section | max min max | Nm Ibin Ibin | 1 0.74 0.74 2 2x 900 kcmil |



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220...240VAC/DC

| | | allowable | | ±30° |
|-------------------------------|---------------------------------|-----------------|------------------|--------------|
| Fixing | | | | Screw |
| Weight | | | g | 2566 |
| Conductor section | | | | |
| | AWG/kcmil conductor section | | | |
| Oranationa | | max | | 2x 900 kcmil |
| Operations Mechanical life | | | avalaa | 5000000 |
| Electrical life | | | cycles cycles | 700000 |
| Safety related data | | | cycles | 700000 |
| | 0d according to EN/ISO 13489-1 | | | |
| | | rated load | cycles | 700000 |
| | | mechanical load | cycles | 5000000 |
| Mirror contats accordi | ng to IEC/EN 609474-4-1 | | , | yes |
| EMC compatibility | | | | yes |
| AC coil operating | | | | |
| Rated AC voltage at 5 | 0/60Hz, 60Hz | | | |
| | | min | V | 220 |
| | | max | V | 240 |
| AC operating voltage | | | | |
| | of 50/60Hz coil powered at 50Hz | | | |
| | pick-up | | | |
| | | min | %Us | 80 |
| | dren out | max | %Us | 110 |
| | drop-out | min | %Us | 20 |
| | | max | %Us | 20 60 |
| | of 50/60Hz coil powered at 60Hz | Παλ | /003 | 00 |
| | pick-up | | | |
| | Prove of | min | %Us | 80 |
| | | max | %Us | 110 |
| | drop-out | | | |
| | | min | %Us | 20 |
| | | max | %Us | 60 |
| | of 60Hz coil powered at 60Hz | | | |
| | pick-up | | | |
| | | min | %Us | 80 |
| | draw and | max | %Us | 110 |
| | drop-out | min | %Us | 20 |
| | | max | %Us %Us | 20 60 |
| AC average coil consu | Imption at 20°C | Παλ | /003 | 00 |
| | of 50/60Hz coil powered at 50Hz | | | |
| | | in-rush | VA | 400 |
| | | holding | VA | 18 |
| | of 50/60Hz coil powered at 60Hz | <u></u> | | |
| | · | in-rush | VA | 400 |
| | | holding | VA | 18 |
| Dissipation at holding | ≤20°C 50Hz | | W | 18 |
| DC coil operating | | | | |
| DC rated control voltage | ge | | | |
| | | min | V | 220 |
| | | max | V | 240 |



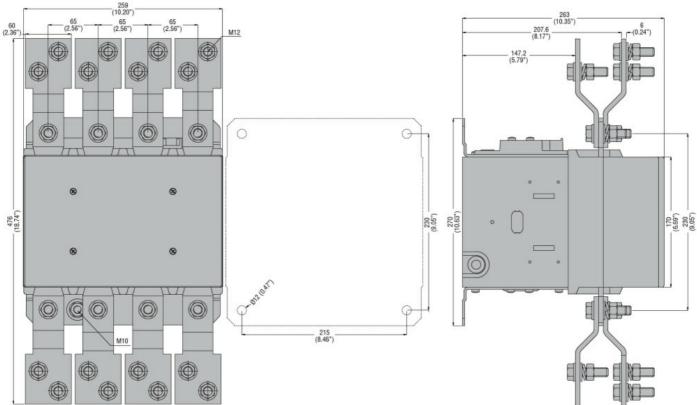
ENERGY AND AUTOMATION

| DC operating voltage | | | | | |
|-------------------------------------------------------------------------|-----------------------|------------|-----------------------|-----------|-----------|
| | pick-up | | | | |
| | | | min | %Us | 80 |
| | | | max | %Us | 110 |
| | drop-out | | | 0/11- | 0.0 |
| | | | min | %Us | 20 |
| Average seil sensum | vtion <20°C | | max | %Us | 60 |
| Average coil consump | 011011 ≤20 € | | in ruch | W | 400 |
| | | | in-rush holding | W | 400 18 |
| Max cycles frequency | | | Tolding | vv | 10 |
| Max cycles nequency | | | | cycles/h | 1200 |
| Operating times | | | | Cyclc3/11 | 1200 |
| Average time for Us o | ontrol | | | | |
| worago anto for co o | in AC | | | | |
| | | Closing NO | | | |
| | | | min | ms | 110 |
| | | | max | ms | 180 |
| | | Opening NO | | - | |
| | | 1 5 - | min | ms | 60 |
| | | | max | ms | 100 |
| | in DC | | | | |
| | | Closing NO | | | |
| | | - | min | ms | 110 |
| | | | max | ms | 180 |
| | | Opening NO | | | |
| | | | min | ms | 60 |
| | | | max | ms | 100 |
| JL technical data | | | | | |
| General USE | | | | | |
| | Contactor | | | | |
| | | | AC current | А | 1000 |
| Short-circuit protection | | | | | |
| | Standard fault | | | | |
| | | | Short circuit current | kA | 18 |
| | | | Fuse rating | А | 1500 |
| · · · · · · · · · · · · · · · · · · · | | | Fuse class | | L |
| Ambient conditions | | | | | |
| Temperature | | | | | |
| | Operating temperature | | | | 50 |
| | | | min | °C °° | -50 |
| | Otoroac to to to to | | max | °C | 70 |
| | Storage temperature | | | • | 60 |
| | | | min | °C °C | -60 |
| | | | max | °C | 80 |
| | | | | | 2000 |
| Max altitude | 00 | | | m | 3000 |
| Resistance & Protecti | on | | | m | |
| Max altitude Resistance & Protecti Pollution degree Dimensions | on | | | m | 3000 3 |

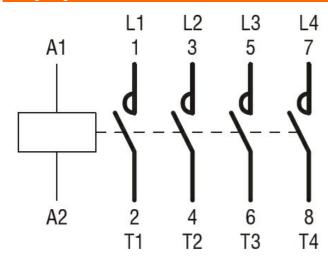
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Wiring diagrams



Certifications and compliance

| Compliance | |
|---------------------|------------------------|
| | CSA C22.2 n° 60947-1 |
| | CSA C22.2 n° 60947-4-1 |
| | IEC/EN 60947-1 |
| | IEC/EN 60947-4-1 |
| | UL 60947-1 |
| | UL 60947-4-1 |
| Certificates | |
| | CCC |
| | cULus |
| | EAC |
| ETIM classification | |
| | |

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11B6301000400220



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 1000A, AC/DC COIL, 220...240VAC/DC

ETIM 8.0

EC000066 -Power contactor, AC switching