# CN3201024

MODULAR CONTACTOR, THREE-POLE OR FOUR-POLE, 32A AC1, 24VAC/DC (3NO+1NC)



| | | | |
|---|---|---|---|
| Product designation | | | MODULAR CONTACTOR |
| Product type designation | | | CN |
| Operating voltage type | | | AC/DC |
| Number of poles | | | 4 |
| Number of DIN modules | | | 2 |
| **Electrical features** | | | |
| IEC Conventional free air thermal current Ith | | A | 32 |
| Operational current AC1 and AC-7a ≤400V | | A | 32 |
| Operational current AC3 and AC-7b ≤400V | | A | 8.5 |
| Rated insulation voltage Ui IEC/EN | | V | 440 |
| Rated impulse withstand voltage Uimp | | kV | 4 |
| Minimum switching capacity | | | ≥17V ≥50mA |
| Power dissipation per pole (average value) Ith | | W | 2.5 |
| **Control circuit** | | | |
| Auxiliary rated supply voltage Us | | | 24VAC/DC |
| Auxiliary contacts | | | |
| | NO | Nr. | 3 |
| | NC | Nr. | 1 |
| Average coil consumption ≤20°C | | | |
| | in-rush | W | 3 |
| | holding | W | 3 |
| Operating voltage | | | |
| pick-up | | | |
| | min | %Us | 85 |
| | max | %Us | 110 |
| drop-out | | | |
| | min | %Us | 20 |
| | max | %Us | 75 |
| **Operating times** | | | |
| Average time | | | |
| Closing NO | | | |
| | min | ms | 15 |
| | max | ms | 45 |
| Opening NO | | | |
| | min | ms | 20 |
| | max | ms | 70 |
| **Operations** | | | |
| Mechanical life | | cycles | 3000000 |
| Electrical life AC3 | | cycles | 500000 |
| Electrical life AC1 | | cycles | 150000 |
| **Ambient conditions** | | | |
| Operating temperature | | | |
| | min | °C | -15 |
| | max | °C | 55 |


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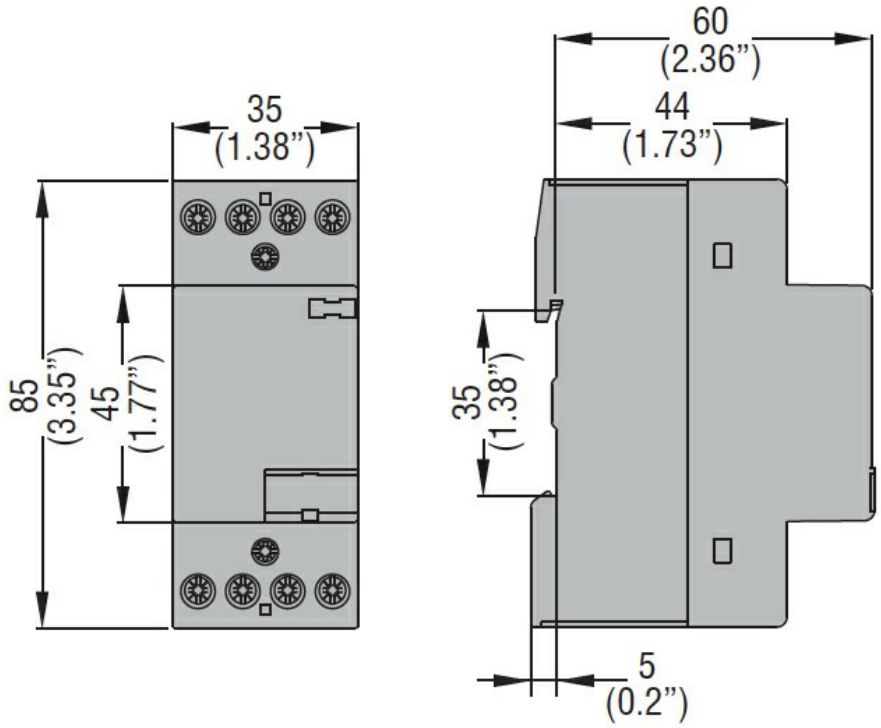
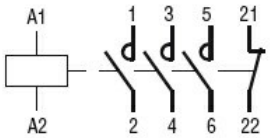
| | | | | |
|---|---|---|---|---|
| Storage temperature | | | | |
| | | min | °C | -30 |
| | | max | °C | 80 |
| Max altitude | | | m | 2000 |
| **Mechanical features** | | | | |
| Fixing | | | | DIN rail 35mm |
| Tightening torque for coil terminal | | | | |
| | | max | Nm | 0.6 |
| | | max | lbin | 0.6 |
| Tightening torque for terminals | | | | |
| | | max | Nm | 1.2 |
| | | max | lbin | 0.9 |
| Conductor section | | | | |
| | Coil terminal | | | |
| | | min | mm² | 1 |
| | | max | mm² | 2.5 |
| | Power terminal | | | |
| | | min | mm² | 1 |
| | | max | mm² | 10 |
| Terminals tool | | | | PZ2 |
| Weight | | | g | 260 |
| **Resistance & Protection** | | | | |
| Frontal IP degree | | | | IP20 |
| Pollution degree | | | | 3 |
| **Dimensions [mm (in)]** | | | | |




## Wiring diagrams





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## Certifications and compliance

| | |
|---|---|
| Compliance | |
| | IEC/EN 60947-1 |
| | IEC/EN 60947-4-1 |
| | IEC/EN 60947-5-1 |
| | IEC/EN 61095 |
| Certificates | |
| | EAC |

## ETIM classification

| | |
|---|---|
| ETIM 8.0 | EC000066 - Power contactor, AC switching |


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