# CNB2011230

LATCHING RELAY, ONE OR TWO-POLE, 20A AC1, 230VAC (1NO+1NC)

| | | | | |
|---|---|---|---|---|
| **Electrical features** | | | | |
| IEC Conventional free air thermal current Ith ≤ 40°C | | | A | 20 |
| Rated insulation voltage Ui IEC/EN | | | V | 440 |
| Rated impulse withstand voltage Uimp | | | kV | 4 |
| Minimum switching capacity | | | | ≥10V ≥100mA |
| Power dissipation per pole (average value) Ith | | | W | 1.7 |
| **Control circuit** | | | | |
| Auxiliary rated supply voltage Us | | | | 230VAC |
| Auxiliary contacts | | | | |
| | | NO | Nr. | 1 |
| | | NC | Nr. | 1 |
| Average coil consumption ≤20°C | | | | |
| | | in-rush | W | 18/13 |
| Operating voltage | | | | |
| | pick-up | | | |
| | | min | %Us | 85 |
| | | max | %Us | 110 |
| **Operating times** | | | | |
| Average time | | | | |
| | Closing NO | | | |
| | | min | ms | 5 |
| | | max | ms | 20 |
| | Opening NO | | | |
| | | min | ms | 5 |
| | | max | ms | 20 |
| **Operations** | | | | |
| Mechanical life | | | cycles | 3000000 |
| Electrical life AC-3 | | | cycles | 300000 |
| Electrical life AC1 | | | cycles | 200000 |
| **Ambient conditions** | | | | |
| Operating temperature | | | | |
| | | min | °C | -5 |
| | | max | °C | 55 |
| 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 |

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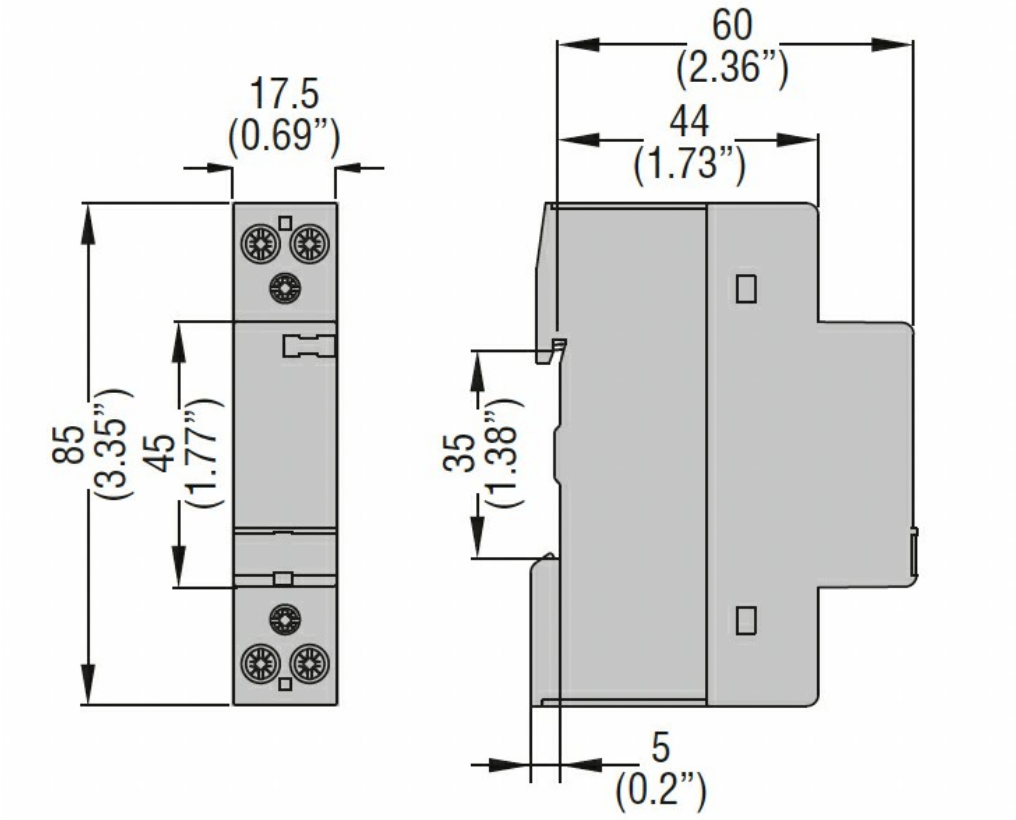
|---|---|---|---|---|
| Conductor section | | | | |
| | Coil terminal | | | |
| | | min | mm² | 1 |
| | | max | mm² | 2.5 |
| | Power terminal | | | |
| | | min | mm² | 1 |
| | | max | mm² | 10 |
| Terminals tool | | | | PZ2 |
| Weight | | | g | 135 |

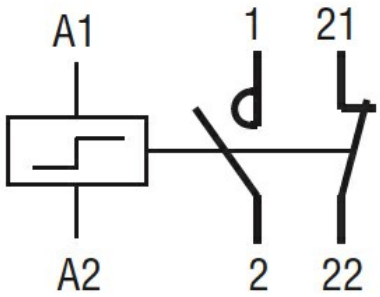
## Resistance & Protection

| | | | | |
|---|---|---|---|---|
| Frontal IP degree | | | | IP20 |
| Pollution degree | | | | 3 |

## Dimensions




## Wiring diagrams




## Certifications and compliance

Compliance

IEC/EN/BS 60669-1

| | |
|---|---|
| | IEC/EN/BS 60669-2-2 |
| | IEC/EN/BS 60947-1 |
| | IEC/EN/BS 60947-4-1 |
| | IEC/EN/BS 60947-5-1 |
| | IEC/EN/BS 61095 |
| Certificates | |
| | EAC |

## ETIM classification

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