



| | | | |
|--|-------------------|-----------------|---------|
| Product designation | MODULAR CONTACTOR | | |
| Product type designation | CNM | | |
| Operating voltage type | AC/DC | | |
| Manual control | YES | | |
| Number of poles | 2 | | |
| Number of DIN modules | 1 | | |
| Electrical features | | | |
| IEC Conventional free air thermal current I _{th} | A | 20 | |
| Operational current AC1 and AC-7a ≤400V | A | 20 | |
| Operational current AC-3 and AC-7b ≤400V | A | 9 | |
| Rated insulation voltage U _i IEC/EN | V | 440 | |
| Rated impulse withstand voltage U _{imp} | kV | 4 | |
| Minimum switching capacity | | ≥17V ≥50mA | |
| Power dissipation per pole (average value) I _{th} | W | 1.7 | |
| Control circuit | | | |
| Auxiliary rated supply voltage U _s | | 220VAC/VDC | |
| Auxiliary contacts | | | |
| | NO | Nr. | 2 |
| Average coil consumption ≤20°C | | | |
| | in-rush | W | 2.5 |
| | holding | W | 2.5 |
| Operating voltage | | | |
| pick-up | | | |
| | min | %U _s | 85 |
| | max | %U _s | 110 |
| drop-out | | | |
| | min | %U _s | 20 |
| | max | %U _s | 75 |
| Operating times | | | |
| Average time | | | |
| Closing NO | | | |
| | min | ms | 15 |
| | max | ms | 45 |
| Opening NO | | | |
| | min | ms | 25 |
| | max | ms | 50 |
| Operations | | | |
| Mechanical life | | cycles | 3000000 |
| Electrical life AC-3 | | cycles | 300000 |
| Electrical life AC1 | | cycles | 200000 |
| Ambient conditions | | | |
| Operating temperature | | | |
| | min | °C | -25 |
| | max | °C | +70 |

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 | mm ² | 1 |
| max | mm ² | 2.5 |

Power terminal

| | | |
|-----|-----------------|----|
| min | mm ² | 1 |
| max | mm ² | 10 |

Terminals tool

PZ2

Weight

g 135

Resistance & Protection

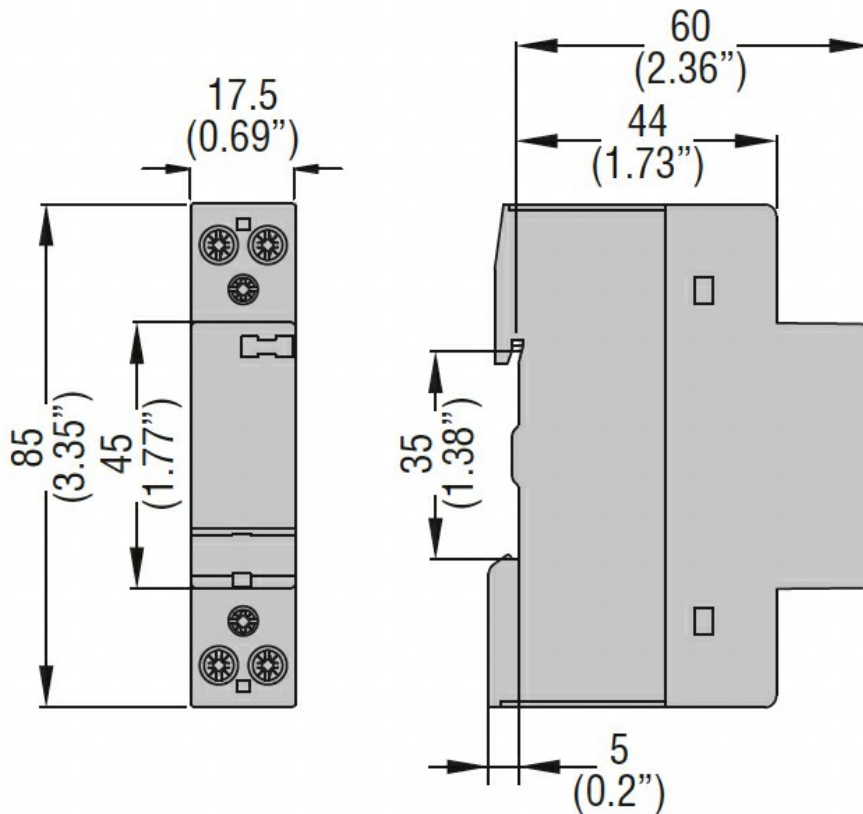
Frontal IP degree

IP20

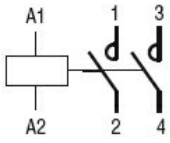
Pollution degree

3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 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