



Product designation

MODULAR CONTACTOR

Product type designation

CNM

Operating voltage type

AC/DC

Manual control

YES

Number of poles

4

Number of DIN modules

2

Electrical features

| | | |
|--|----|------------|
| IEC Conventional free air thermal current I _{th} | A | 32 |
| Operational current AC1 and AC-7a ≤400V | A | 32 |
| Operational current AC3 and AC-7b ≤400V | A | 8.5 |
| 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 | 2.5 |

Control circuit

| | | | |
|---|----------|-----|---|
| Auxiliary rated supply voltage U _s | 24VAC/DC | | |
| Auxiliary contacts | NO | Nr. | 4 |
| Average coil consumption ≤20°C | in-rush | W | 3 |
| | holding | W | 3 |

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 | 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 | -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 260

Resistance & Protection

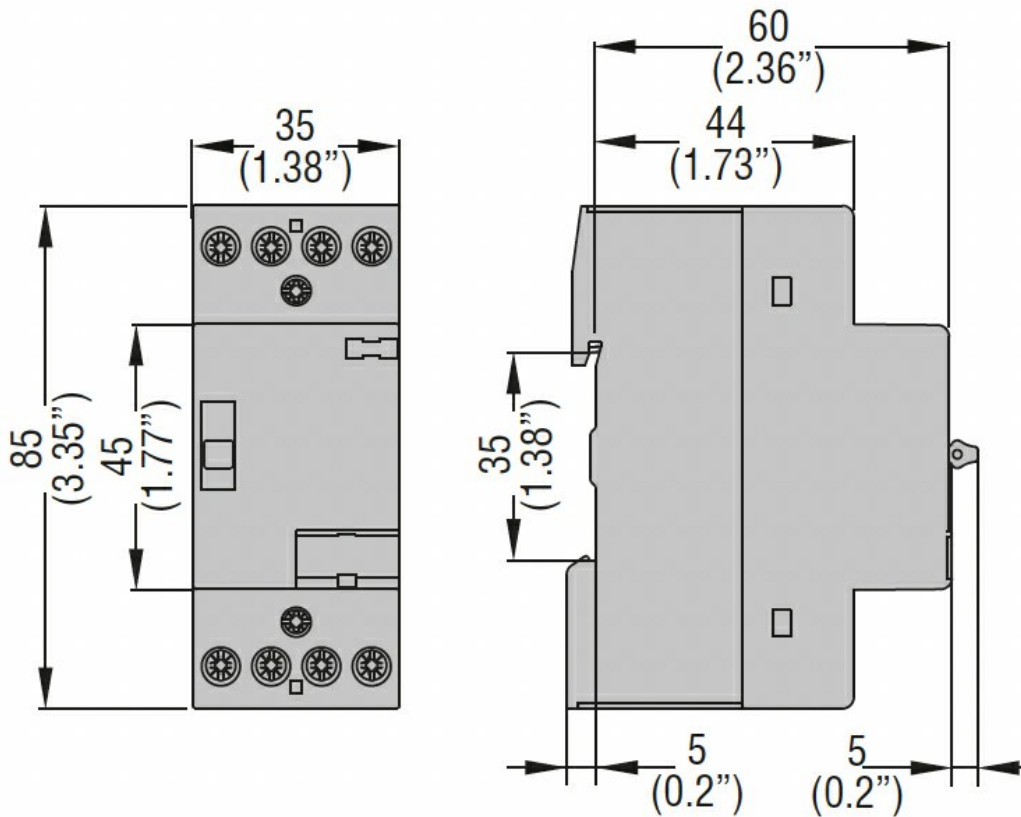
Frontal IP degree

IP20

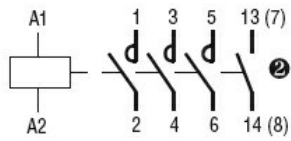
Pollution degree

3

Dimensions [mm (in)]



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