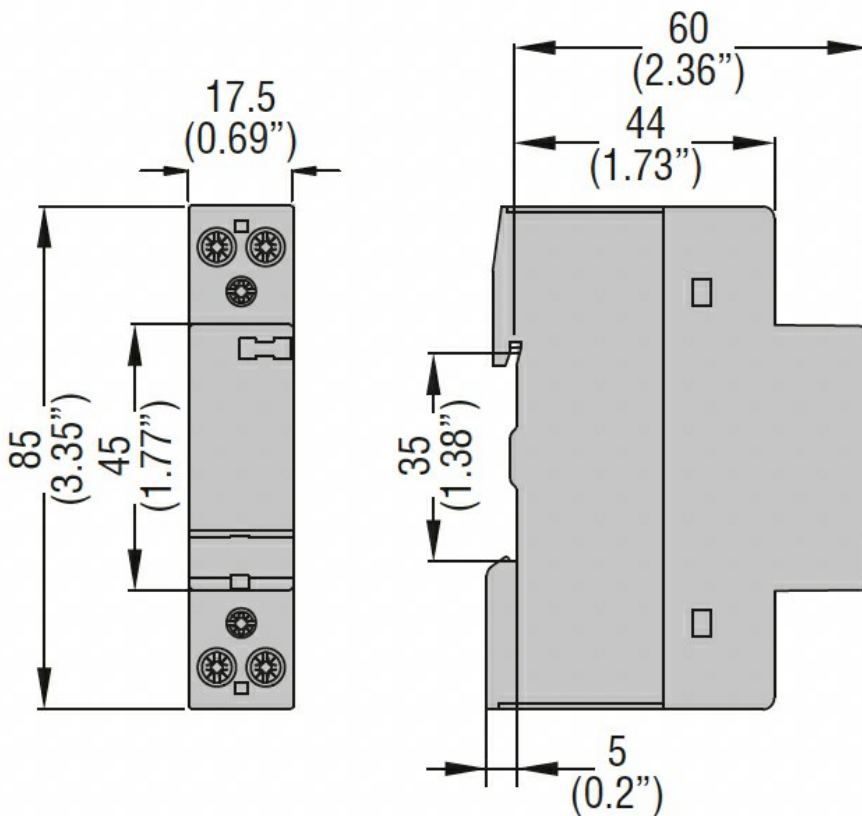


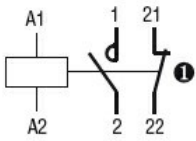


| | | | |
|--|-------------------|-----------------|-----|
| Product designation | MODULAR CONTACTOR | | |
| Product type designation | CNM | | |
| Operating voltage type | AC/DC | | |
| Manual control | YES | | |
| Number of poles | 2 | | |
| Number of DIN modules | 1 | | |
| Electrical features | | | |
| IEC Conventional free air thermal current I _{th} | A | 20 | |
| Operational current AC1 and AC-7a ≤400V | A | 20 | |
| Operational current AC3 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. | 1 |
| | NC | Nr. | 1 |
| 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 AC3 | cycles | 300000 | |
| Electrical life AC1 | cycles | 200000 | |
| Ambient conditions | | | |
| Operating temperature | min | °C | -15 |

| | | | | |
|-------------------------------------|----------------|-----|-----------------|---------------|
| | | 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 |
| 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 [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