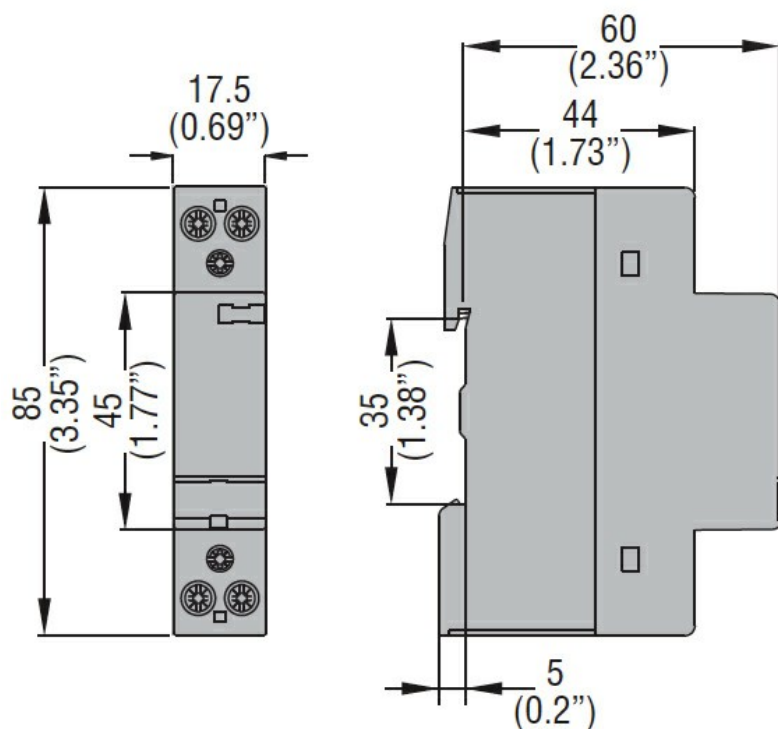


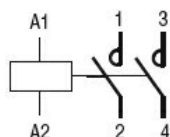


| | | | | |
|--|--|--|-------------------|---------------------|
| Product designation | | | MODULAR CONTACTOR | |
| Product type designation | | | CN | |
| Operating voltage type | | | AC/DC | |
| Number of poles | | | 2 | |
| Number of DIN modules | | | 1 | |
| Electrical features | | | | |
| IEC Conventional 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 | -40 |
| | 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