



Product designation

MODULAR  
CONTACTOR

Product type designation

CN

Operating voltage type

AC/DC

Number of poles

4

Number of DIN modules

2

Electrical features

|                                                            |    |            |
|------------------------------------------------------------|----|------------|
| IEC Conventional free air thermal current I <sub>th</sub>  | A  | 32         |
| Operational current AC1 and AC-7a ≤400V                    | A  | 32         |
| Operational current AC-3 and AC-7b ≤400V                   | A  | 8.5        |
| Rated insulation voltage U <sub>i</sub> IEC/EN             | V  | 440        |
| Rated impulse withstand voltage U <sub>imp</sub>           | kV | 4          |
| Minimum switching capacity                                 |    | ≥17V ≥50mA |
| Power dissipation per pole (average value) I <sub>th</sub> | W  | 2.5        |

Control circuit

|                                   |          |     |   |
|-----------------------------------|----------|-----|---|
| Auxiliary rated supply voltage Us | 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 <sub>s</sub> | 85  |
| max | %U <sub>s</sub> | 110 |

drop-out

|     |                 |    |
|-----|-----------------|----|
| min | %U <sub>s</sub> | 20 |
| max | %U <sub>s</sub> | 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 AC-3 | cycles | 500000  |
| Electrical life AC1  | cycles | 150000  |

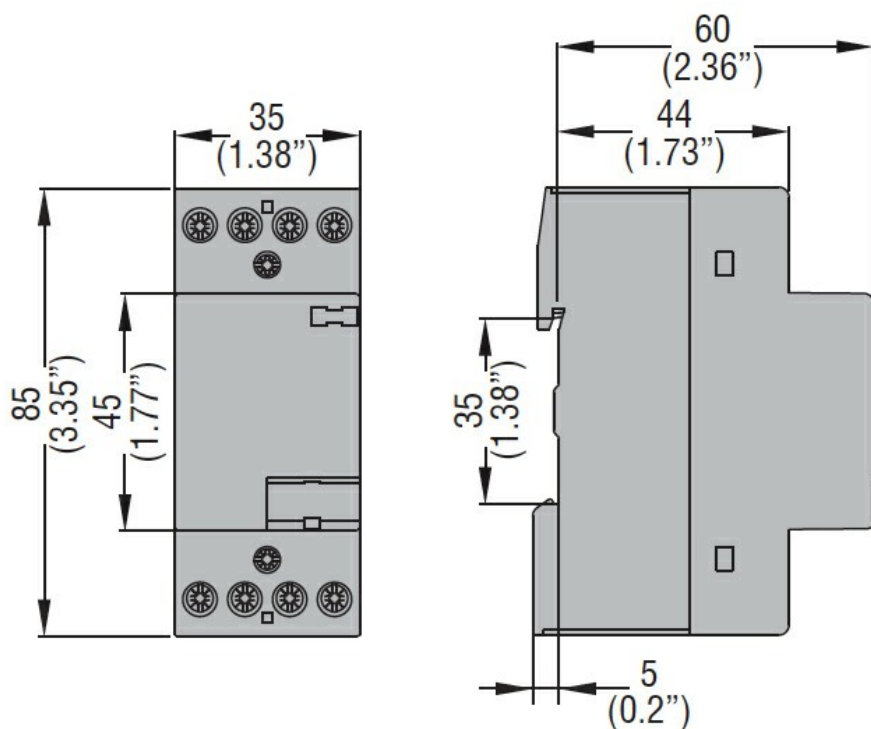
Ambient conditions

Operating temperature

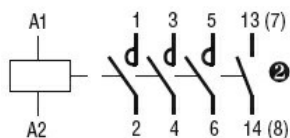
|     |    |     |
|-----|----|-----|
| min | °C | -25 |
| max | °C | +70 |

Storage temperature

|                                     |     |                 |               |
|-------------------------------------|-----|-----------------|---------------|
|                                     | min | °C              | -30           |
|                                     | max | °C              | 80            |
| Max altitude                        |     | m               | 2000          |
| <b>Mechanical features</b>          |     |                 |               |
| 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 <sup>2</sup> | 1             |
|                                     | max | mm <sup>2</sup> | 2.5           |
| Power terminal                      |     |                 |               |
|                                     | min | mm <sup>2</sup> | 1             |
|                                     | max | mm <sup>2</sup> | 10            |
| Terminals tool                      |     |                 | PZ2           |
| Weight                              |     | g               | 260           |
| <b>Resistance &amp; Protection</b>  |     |                 |               |
| Frontal IP degree                   |     |                 | IP20          |
| Pollution degree                    |     |                 | 3             |
| <b>Dimensions</b>                   |     |                 |               |



## 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