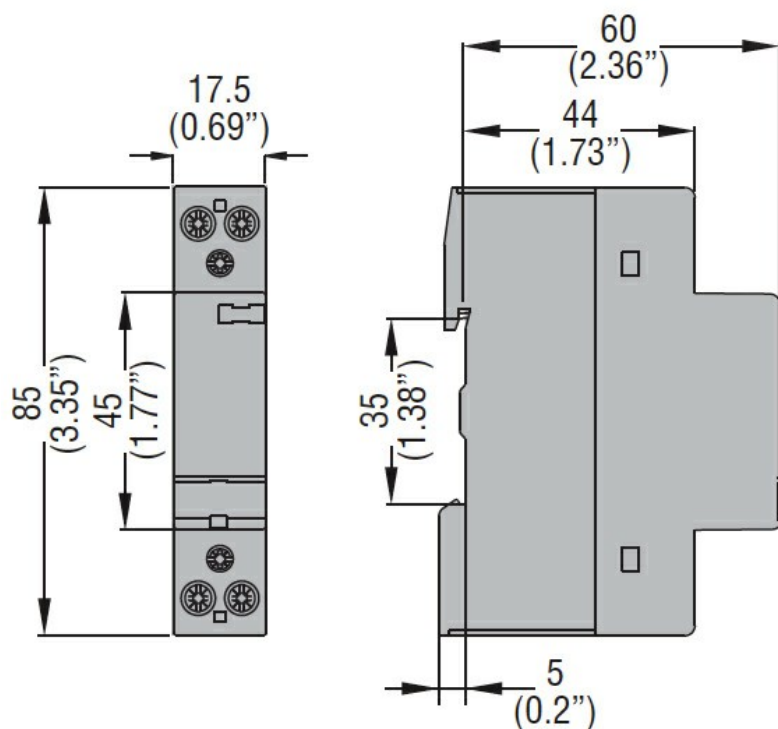


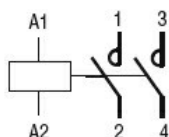


|                                                |  |  |                   |         |
|------------------------------------------------|--|--|-------------------|---------|
| Product designation                            |  |  | MODULAR CONTACTOR |         |
| Product type designation                       |  |  | CN                |         |
| Operating voltage type                         |  |  | AC/DC             |         |
| Number of poles                                |  |  | 2                 |         |
| Number of DIN modules                          |  |  | 1                 |         |
| Electrical features                            |  |  |                   |         |
| IEC Conventional free air thermal current Ith  |  |  | A                 | 32      |
| Operational current AC1 and AC-7a ≤400V        |  |  | A                 | 32      |
| Operational current AC-3 and AC-7b ≤400V       |  |  | A                 | 9       |
| Rated insulation voltage Ui IEC/EN             |  |  | V                 | 440     |
| Rated impulse withstand voltage Uimp           |  |  | kV                | 4       |
| Minimum switching capacity                     |  |  | ≥17V ≥50mA        |         |
| Power dissipation per pole (average value) Ith |  |  | W                 | 2.5     |
| Control circuit                                |  |  |                   |         |
| Auxiliary rated supply voltage Us              |  |  | 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               | %Us 85  |
|                                                |  |  | max               | %Us 110 |
| drop-out                                       |  |  | min               | %Us 20  |
|                                                |  |  | max               | %Us 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            | 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               | 135           |
| <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