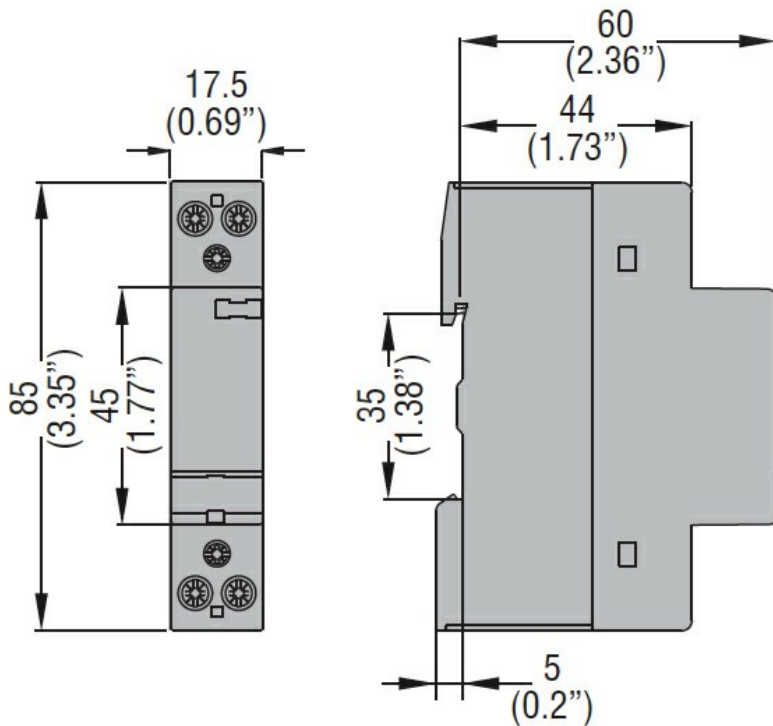


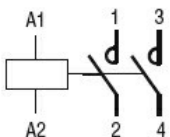


|  |                   |            |                     |
|--|-------------------|------------|---------------------|
| Product designation  | MODULAR CONTACTOR |            |                     |
| Product type designation                                   | CN                |            |                     |
| Operating voltage type                                     | AC/DC             |            |                     |
| Number of poles  | 2                 |            |                     |
| Number of DIN modules                                      | 1                 |            |                     |
| <b>Electrical features</b>                                 |                   |            |                     |
| IEC Conventional free air thermal current I <sub>th</sub>  | 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 <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                 | 1.7        |                     |
| <b>Control circuit</b>                                     |                   |            |                     |
| Auxiliary rated supply voltage U <sub>s</sub>              |                   | 24VAC/DC   |                     |
| 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 <sub>s</sub> 85  |
|  |                   | max        | %U <sub>s</sub> 110 |
|  | drop-out          | min        | %U <sub>s</sub> 20  |
|  |                   | max        | %U <sub>s</sub> 75  |
| Average time   | Closing NO        | min        | ms 15               |
|  |                   | max        | ms 45               |
|  | Opening NO        | min        | ms 25               |
|  |                   | max        | ms 50               |
| <b>Operations</b>  |                   |            |                     |
| Mechanical life  |                   | cycles     | 3000000             |
| Electrical life AC-3                                       |                   | cycles     | 300000              |
| Electrical life AC1  |                   | cycles     | 200000              |
| <b>Ambient conditions</b>                                  |                   |            |                     |
| Operating temperature                                      | min               | °C         | -25                 |
|  | max               | °C         | +70                 |
| Storage temperature  |                   |            |                     |

|                                     |                |                 |               |
|-------------------------------------|----------------|-----------------|---------------|
|                                     | min            | °C              | -40           |
|                                     | 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