



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  | 25         |
| Operational current AC1 and AC-7a ≤400V                    | A  | 25         |
| 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          |

### Control circuit

|                                   |            |     |   |
|-----------------------------------|------------|-----|---|
| Auxiliary rated supply voltage Us | 220VAC/VDC |     |   |
| Auxiliary contacts                |            |     |   |
|                                   | NO         | Nr. | 3 |
|                                   | NC         | Nr. | 1 |
| 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 | 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 <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

Resistance & Protection

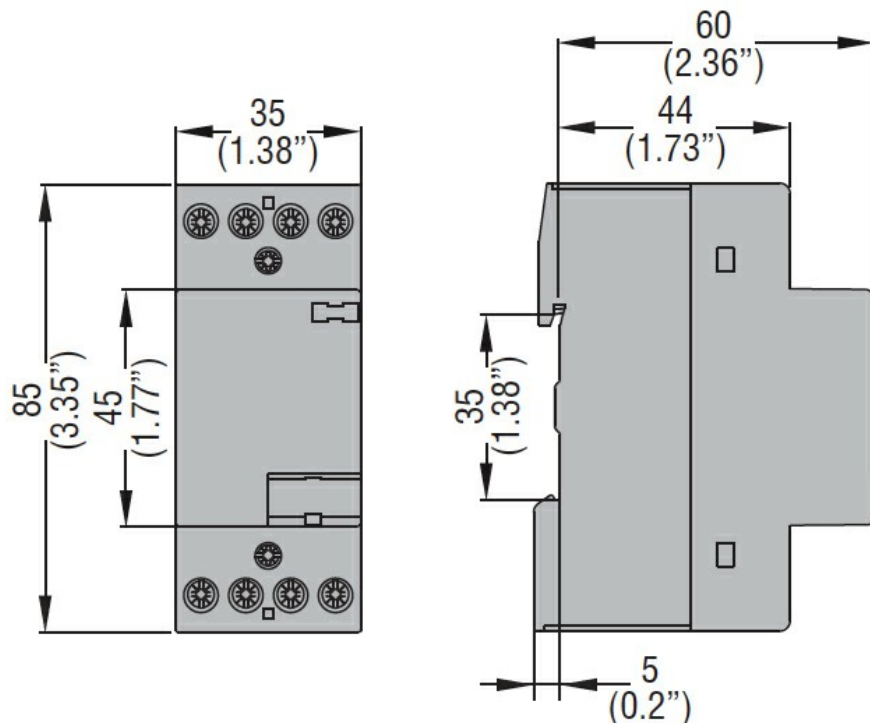
Frontal IP degree

IP20

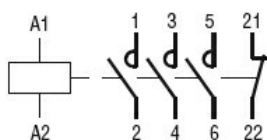
Pollution degree

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