



### Electrical features

|                                                                            |    |                                    |
|----------------------------------------------------------------------------|----|------------------------------------|
| IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$ | A  | 32                                 |
| Operational current AC1 and AC-7a $\leq 400\text{V}$                       | A  | 32                                 |
| Operational current AC-3 and AC-7b $\leq 400\text{V}$                      | A  | 8.5                                |
| Rated insulation voltage $U_i$ IEC/EN                                      | V  | 440                                |
| Rated impulse withstand voltage $U_{imp}$                                  | kV | 4                                  |
| Minimum switching capacity                                                 |    | $\geq 17\text{V} \geq 50\text{mA}$ |
| Power dissipation per pole (average value) $I_{th}$                        | W  | 2.5                                |

### Control circuit

|                                      |    |          |
|--------------------------------------|----|----------|
| Auxiliary rated supply voltage $U_s$ |    | 24VAC/DC |
| Auxiliary contacts                   |    |          |
|                                      | NO | Nr. 3    |
|                                      | NC | Nr. 1    |

Average coil consumption  $\leq 20^{\circ}\text{C}$

|         |   |   |
|---------|---|---|
| in-rush | W | 3 |
| holding | W | 3 |

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 | 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 | $^{\circ}\text{C}$ | -15 |
| max | $^{\circ}\text{C}$ | 55  |

Storage temperature

|     |                    |     |
|-----|--------------------|-----|
| min | $^{\circ}\text{C}$ | -30 |
| max | $^{\circ}\text{C}$ | 80  |

Max altitude

m 2000

### Mechanical features

Fixing DIN rail 35mm

Tightening torque for coil terminal

|     |      |     |
|-----|------|-----|
| max | Nm   | 0.6 |
| max | Ibin | 0.6 |

Tightening torque for terminals

|     |      |     |
|-----|------|-----|
| max | Nm   | 1.2 |
| max | Ibin | 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

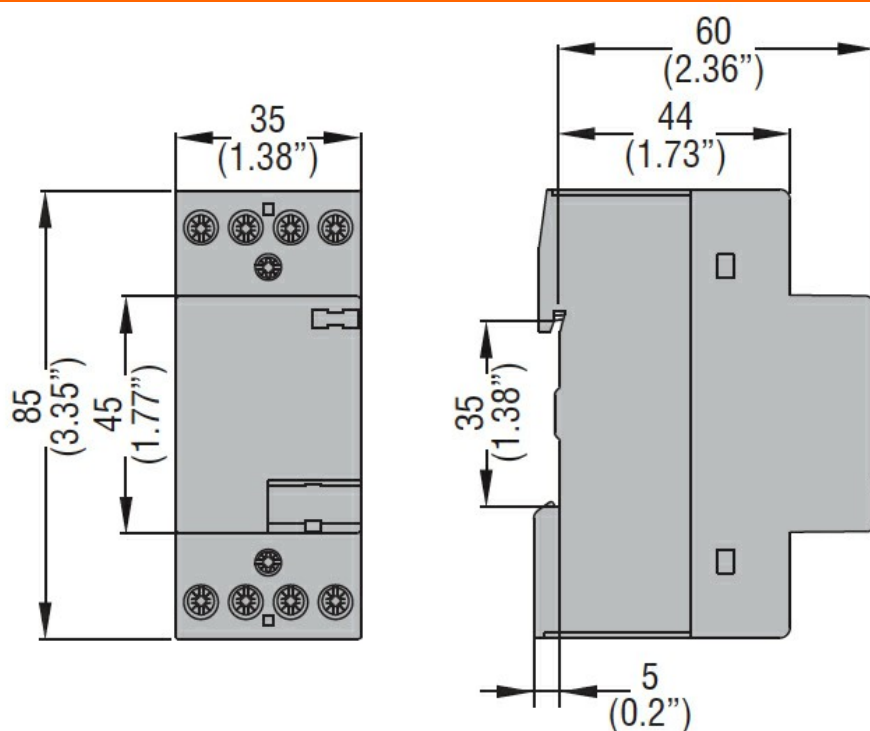
Frontal IP degree

IP20

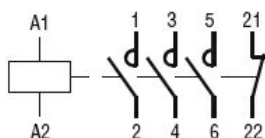
Pollution degree

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