



### Electrical features

|                                                                            |    |                                     |
|----------------------------------------------------------------------------|----|-------------------------------------|
| IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$ | A  | 20                                  |
| Rated insulation voltage $U_i$ IEC/EN                                      | V  | 440                                 |
| Rated impulse withstand voltage $U_{imp}$                                  | kV | 4                                   |
| Minimum switching capacity                                                 |    | $\geq 10\text{V} \geq 100\text{mA}$ |
| Power dissipation per pole (average value) $I_{th}$                        | W  | 1.7                                 |

### Control circuit

|                                                    |         |             |
|----------------------------------------------------|---------|-------------|
| Auxiliary rated supply voltage $U_s$               |         | 230VAC      |
| Auxiliary contacts                                 | NO      | Nr. 2       |
| Average coil consumption $\leq 20^{\circ}\text{C}$ | in-rush | W 18/13     |
| Operating voltage                                  |         |             |
| pick-up                                            | min     | % $U_s$ 85  |
|                                                    | max     | % $U_s$ 110 |

### Operating times

|              |     |    |    |
|--------------|-----|----|----|
| Average time |     |    |    |
| Closing NO   | min | ms | 5  |
|              | max | ms | 20 |
| Opening NO   | min | ms | 5  |
|              | max | ms | 20 |

### Operations

|                      |        |         |
|----------------------|--------|---------|
| Mechanical life      | cycles | 3000000 |
| Electrical life AC-3 | cycles | 300000  |
| Electrical life AC1  | cycles | 200000  |

### Ambient conditions

|                       |     |                    |      |
|-----------------------|-----|--------------------|------|
| Operating temperature | min | $^{\circ}\text{C}$ | -5   |
|                       | 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

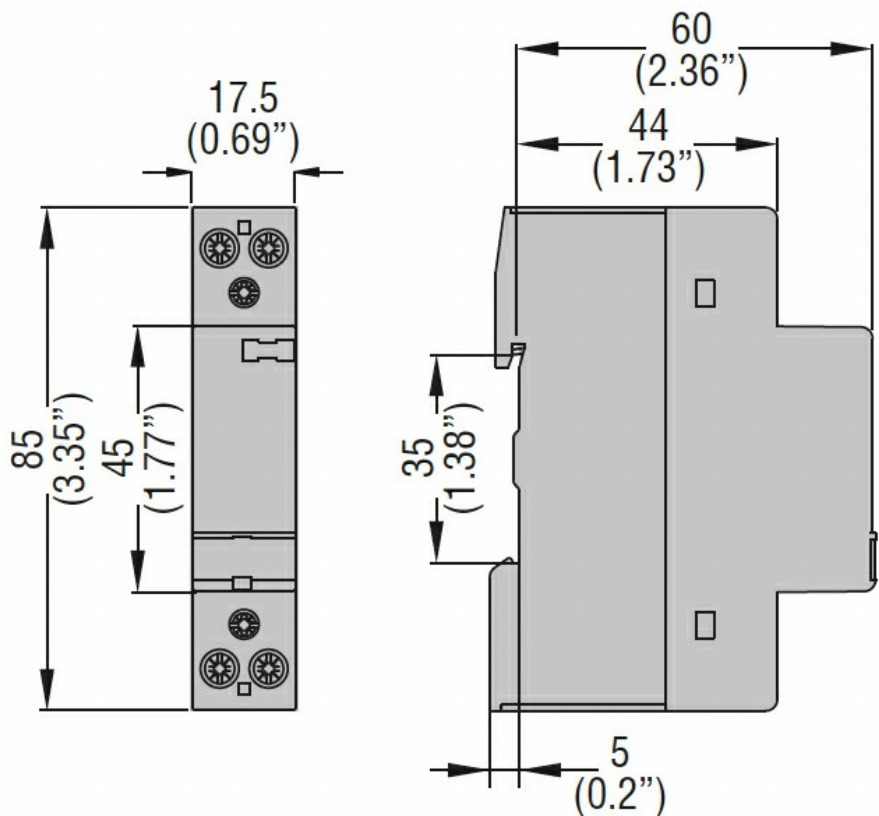
|     |                 |     |
|-----|-----------------|-----|
| min | mm <sup>2</sup> | 1   |
| max | mm <sup>2</sup> | 2.5 |

Power terminal

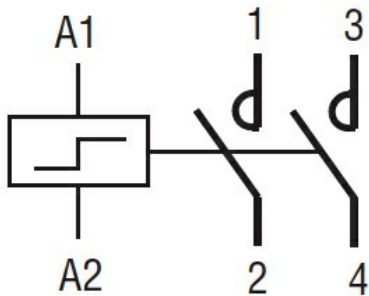
|     |                 |    |
|-----|-----------------|----|
| min | mm <sup>2</sup> | 1  |
| max | mm <sup>2</sup> | 10 |

|                         |       |
|-------------------------|-------|
| Terminals tool          | PZ2   |
| Weight                  | g 135 |
| Resistance & Protection |       |
| Frontal IP degree       | IP20  |
| Pollution degree        | 3     |

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

|                     |
|---------------------|
| IEC/EN/BS 60669-1   |
| IEC/EN/BS 60669-2-2 |
| IEC/EN/BS 60947-1   |

|                     |
|---------------------|
| IEC/EN/BS 60947-4-1 |
| IEC/EN/BS 60947-5-1 |
| IEC/EN/BS 61095     |

Certificates

EAC

ETIM classification

ETIM 8.0

EC000066 -  
Power contactor,  
AC switching