



### Electrical features

|                                                                            |    |                                    |
|----------------------------------------------------------------------------|----|------------------------------------|
| IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$ | A  | 63                                 |
| Operational current AC1 and AC-7a $\leq 400\text{V}$                       | A  | 63                                 |
| Operational current AC-3 and AC-7b $\leq 400\text{V}$                      | A  | 30                                 |
| 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  | 8                                  |

### Control circuit

|                                                    |         |            |
|----------------------------------------------------|---------|------------|
| Auxiliary rated supply voltage $U_s$               |         | 220VAC/VDC |
| Auxiliary contacts                                 |         |            |
|                                                    | NO      | Nr. 4      |
| Average coil consumption $\leq 20^{\circ}\text{C}$ |         |            |
|                                                    | in-rush | W 5        |
|                                                    | holding | W 5        |

### 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 | 20 |
|              |     |    |    |
|              |     |    |    |
| Opening NO   | min | ms | 35 |
|              | max | ms | 45 |
|              |     |    |    |
|              |     |    |    |

### Operations

|                      |        |         |
|----------------------|--------|---------|
| Mechanical life      | cycles | 3000000 |
| Electrical life AC-3 | cycles | 150000  |
| Electrical life AC1  | cycles | 100000  |

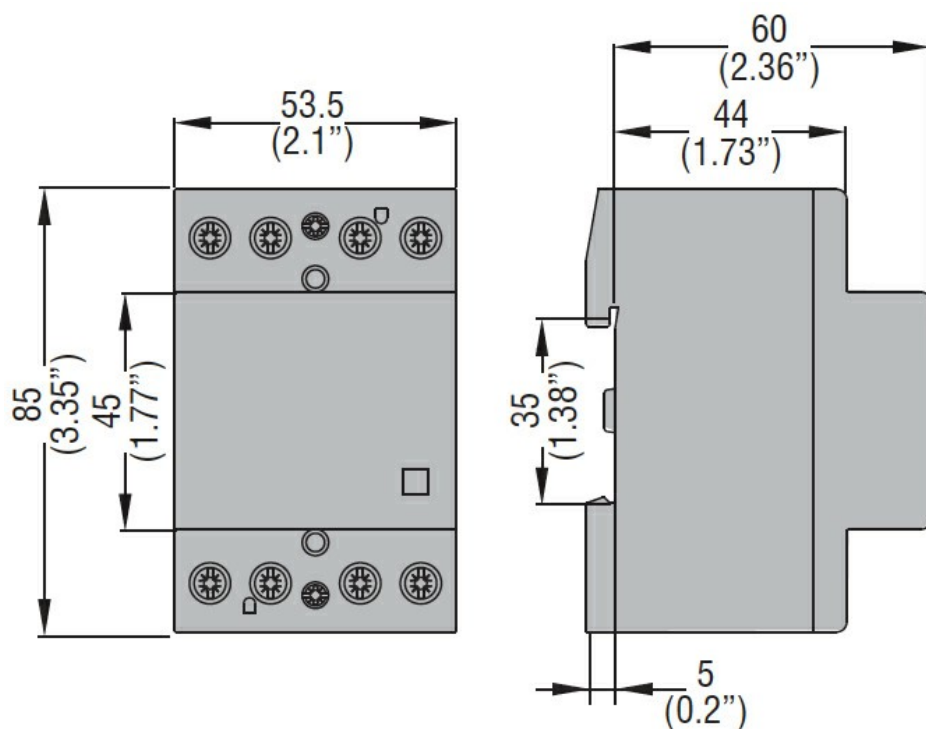
### Ambient conditions

|                       |     |                    |      |
|-----------------------|-----|--------------------|------|
| Operating temperature |     |                    |      |
|                       | min | $^{\circ}\text{C}$ | -25  |
|                       | max | $^{\circ}\text{C}$ | +70  |
| Storage temperature   |     |                    |      |
|                       | min | $^{\circ}\text{C}$ | -30  |
|                       | max | $^{\circ}\text{C}$ | 80   |
| Max altitude          | m   |                    | 2000 |

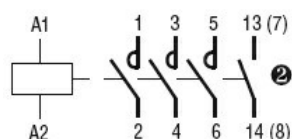
### Mechanical features

|                                     |               |
|-------------------------------------|---------------|
| Fixing                              | DIN rail 35mm |
| Tightening torque for coil terminal |               |

|                                 |                |     |                 |      |
|---------------------------------|----------------|-----|-----------------|------|
|                                 |                | max | Nm              | 0.6  |
|                                 |                | max | Ibin            | 0.6  |
| Tightening torque for terminals |                |     |                 |      |
|                                 |                | max | Nm              | 2    |
|                                 |                | max | Ibin            | 1.48 |
| Conductor section               |                |     |                 |      |
|                                 | Coil terminal  | min | mm <sup>2</sup> | 1    |
|                                 |                | max | mm <sup>2</sup> | 2.5  |
|                                 | Power terminal | min | mm <sup>2</sup> | 1.5  |
|                                 |                | max | mm <sup>2</sup> | 16   |
| Terminals tool                  |                |     |                 | PZ2  |
| Weight                          |                |     | g               | 425  |
| 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