



Electrical features

| | | |
|--|----|------------|
| IEC Conventional free air thermal current I _{th} ≤ 40°C | A | 63 |
| Operational current AC1 and AC-7a ≤ 400V | A | 63 |
| Operational current AC-3 and AC-7b ≤ 400V | A | 30 |
| Rated insulation voltage U _i IEC/EN | V | 440 |
| Rated impulse withstand voltage U _{imp} | kV | 4 |
| Minimum switching capacity | | ≥17V ≥50mA |
| Power dissipation per pole (average value) I _{th} | W | 8 |

Control circuit

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

| | | | |
|---------------------------------|---------|---|---|
| Average coil consumption ≤ 20°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 | 300000 |
| Electrical life AC-3 | cycles | 150000 |
| Electrical life AC1 | cycles | 100000 |

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 | Ibin | 0.6 |

Tightening torque for terminals

| | | |
|-----|------|------|
| max | Nm | 2 |
| max | Ibin | 1.48 |

Conductor section

Coil terminal

| | | |
|-----|-----------------|-----|
| min | mm ² | 1 |
| max | mm ² | 2.5 |

Power terminal

| | | |
|-----|-----------------|-----|
| min | mm ² | 1.5 |
| max | mm ² | 16 |

Terminals tool

PZ2

Weight

g 425

Resistance & Protection

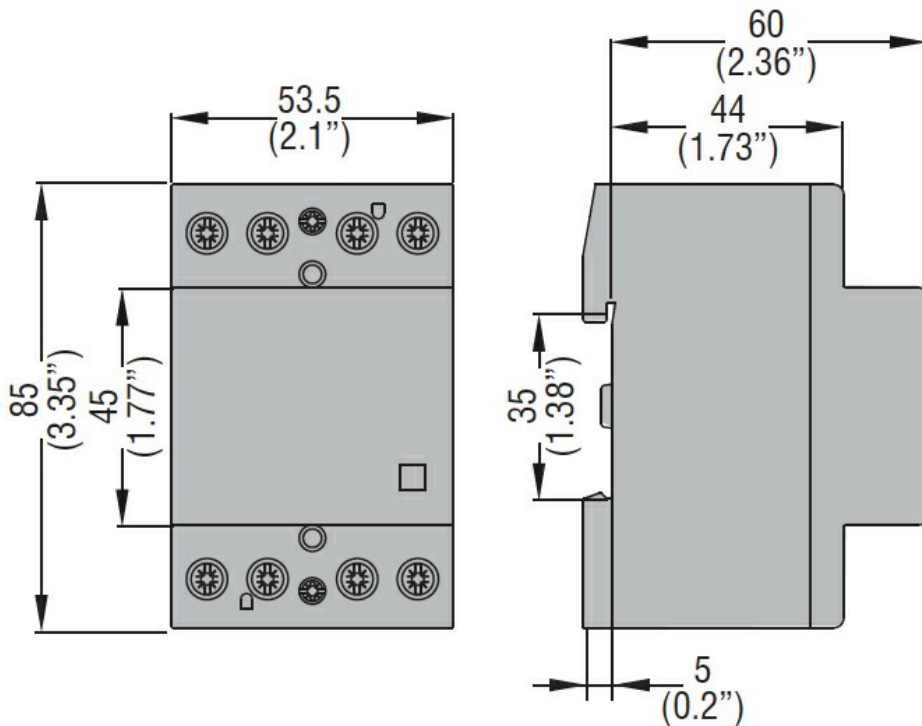
Frontal IP degree

IP20

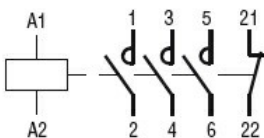
Pollution degree

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