



### Electrical features

IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$	A	40
Operational current AC1 and AC-7a $\leq 400\text{V}$	A	40
Operational current AC-3 and AC-7b $\leq 400\text{V}$	A	22
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	4

### Control circuit

Auxiliary rated supply voltage $U_s$		220VAC/VDC
Auxiliary contacts		
	NO	Nr. 2
	NC	Nr. 2

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	300000
Electrical life AC-3	cycles	150000
Electrical life AC1	cycles	100000

### 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	lbin	0.6

Tightening torque for terminals

max	Nm	2
max	lbin	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

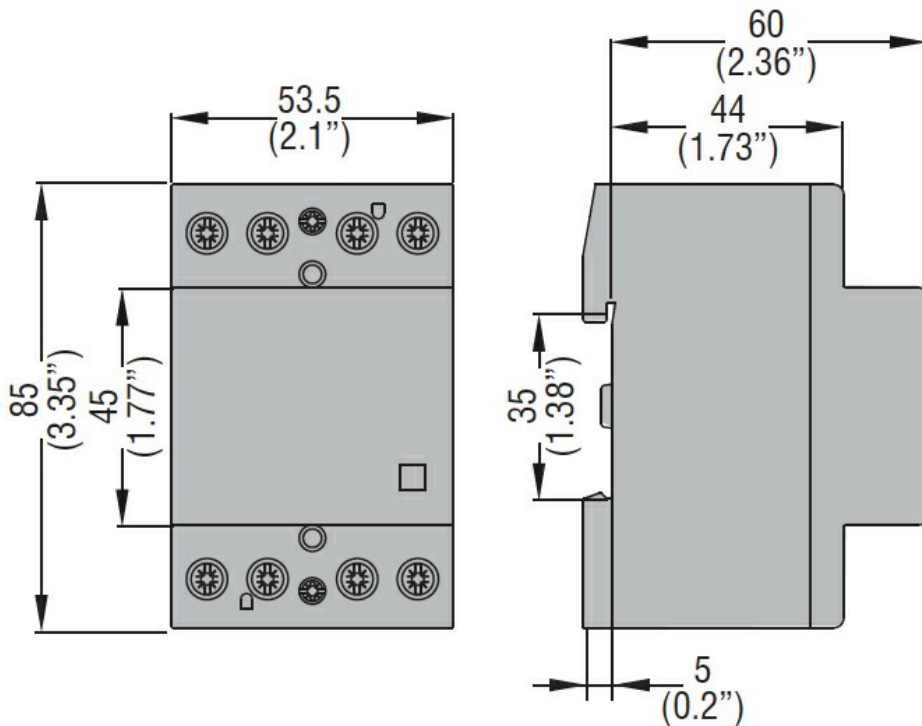
Frontal IP degree

IP20

Pollution degree

3

Dimensions



Certifications and compliance

Compliance

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

Certificates

EAC