



Electrical features

IEC Conventional free air thermal current $I_{th} \leq 40^\circ\text{C}$	A	20
Operational current AC1 and AC-7a $\leq 400\text{V}$	A	20
Operational current AC-3 and AC-7b $\leq 400\text{V}$	A	9
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	1.7

Control circuit

Auxiliary rated supply voltage U_s		220VAC/VDC
Auxiliary contacts	NC	Nr. 2
Average coil consumption $\leq 20^\circ\text{C}$	in-rush	W 2.5
	holding	W 2.5

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	45
	Opening NO	min	ms	25

Operations

Mechanical life	cycles	300000
Electrical life AC1	cycles	20000

Ambient conditions

Operating temperature	min	$^\circ\text{C}$	-15
	max	$^\circ\text{C}$	55
Storage temperature	min	$^\circ\text{C}$	-40
	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 ²	1
max	mm ²	2.5

Power terminal

min	mm ²	1
max	mm ²	10

Terminals tool

PZ2

Weight

g 135

Resistance & Protection

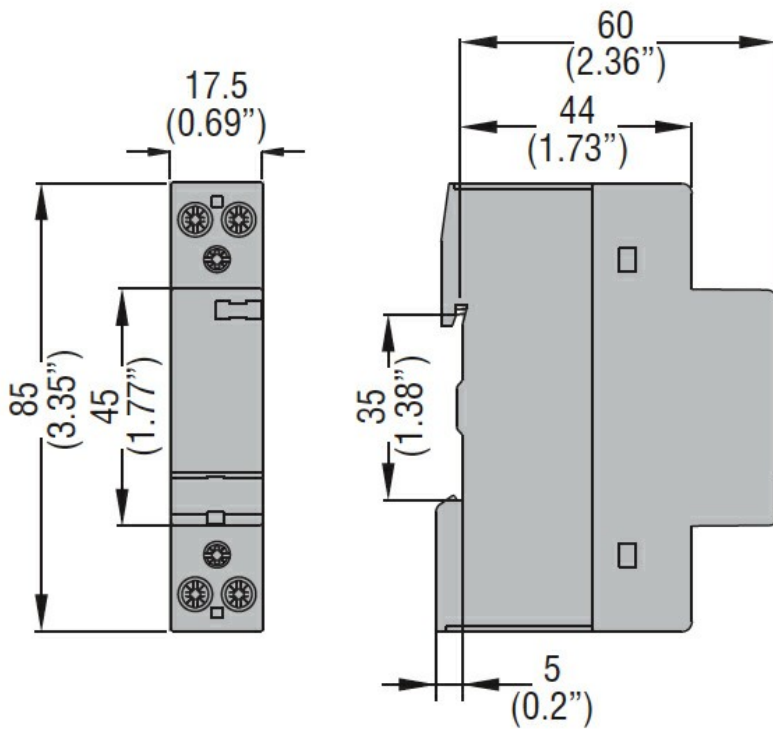
Frontal IP degree

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

ETIM classification

ETIM 8.0

EC001653 -
Installation
contactor for
distribution board