



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		
	NO	Nr. 1
	NC	Nr. 1

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
max	ms	50

Operations

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

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	lbin	0.6

Tightening torque for terminals

max	Nm	1.2
max	lbin	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

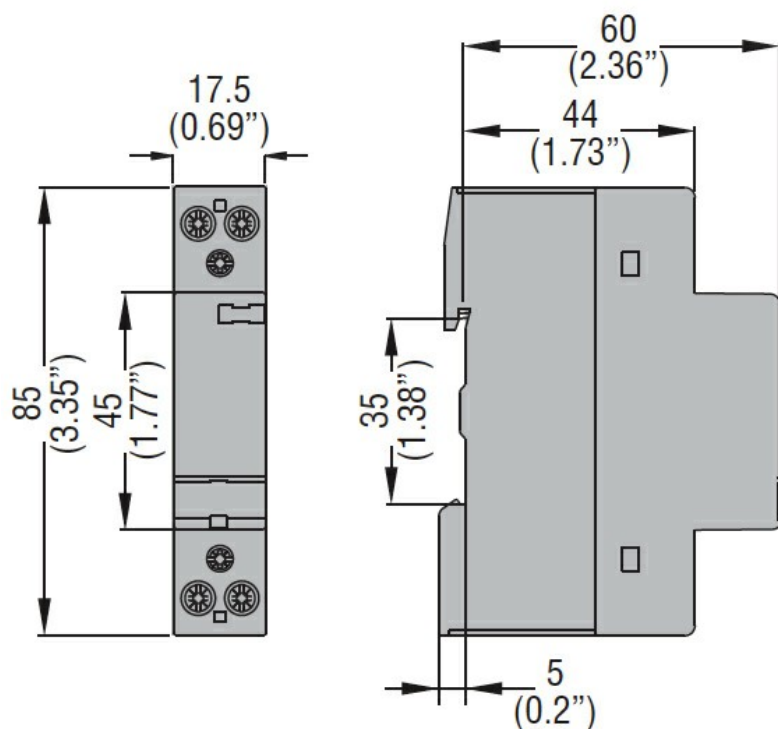
Frontal IP degree

IP20

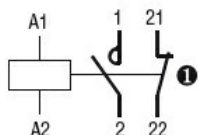
Pollution degree

3

Dimensions



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