



Electrical features

IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$	A	25
Operational current AC1 and AC-7a $\leq 400\text{V}$	A	25
Operational current AC-3 and AC-7b $\leq 400\text{V}$	A	8.5
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	2

Control circuit

Auxiliary rated supply voltage U_s		220VAC/VDC
Auxiliary contacts		
	NO	Nr. 3
	NC	Nr. 1
Average coil consumption $\leq 20^{\circ}\text{C}$		
	in-rush	W 3
	holding	W 3

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	20
		max	ms	70

Operations

Mechanical life	cycles	3000000
Electrical life AC-3	cycles	500000
Electrical life AC1	cycles	200000

Ambient conditions

Operating temperature			
	min	$^{\circ}\text{C}$	-15
	max	$^{\circ}\text{C}$	55
Storage temperature			
	min	$^{\circ}\text{C}$	-30
	max	$^{\circ}\text{C}$	80
Max altitude	m		2000

Mechanical features

Fixing	DIN rail 35mm
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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 260

Resistance & Protection

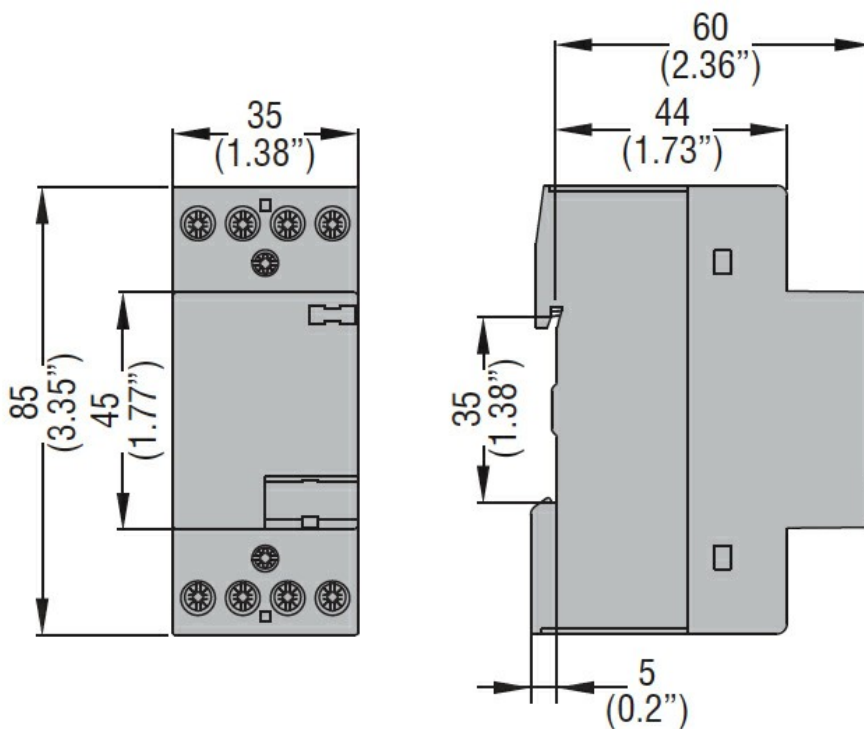
Frontal IP degree

IP20

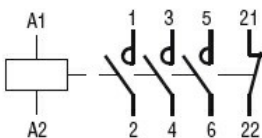
Pollution degree

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