



### Electrical features

IEC Conventional free air thermal current $I_{th} \leq 40^\circ\text{C}$	A	32
Operational current AC1 and AC-7a $\leq 400\text{V}$	A	32
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	2.5

### Control circuit

Auxiliary rated supply voltage $U_s$		220VAC/VDC
Auxiliary contacts	NO	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
		max	ms	50

### Operations

Mechanical life	cycles	3000000
Electrical life AC-3	cycles	500000
Electrical life AC1	cycles	150000

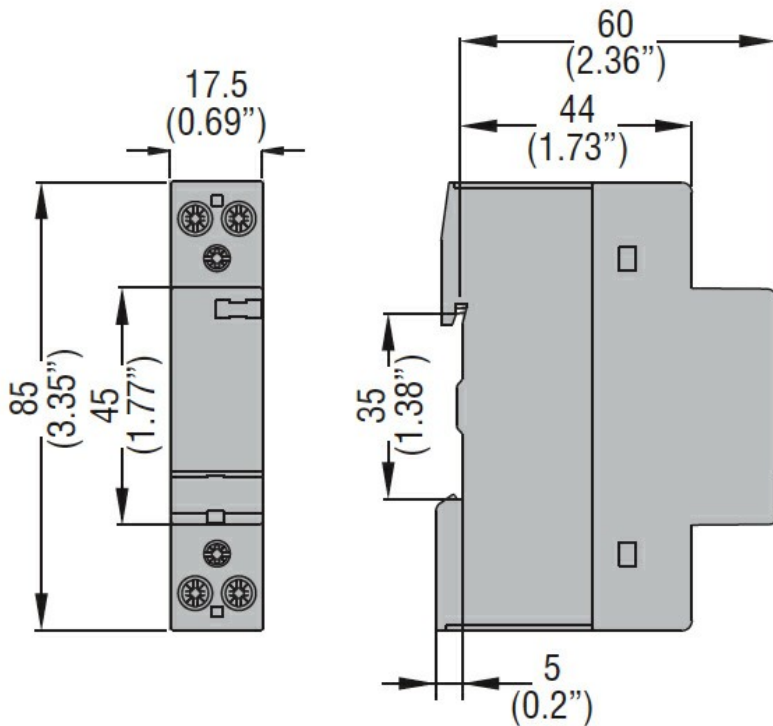
### Ambient conditions

Operating temperature	min	$^\circ\text{C}$	-25
	max	$^\circ\text{C}$	+70
Storage temperature	min	$^\circ\text{C}$	-30
	max	$^\circ\text{C}$	80
Max altitude	m	2000	

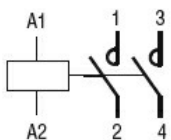
### Mechanical features

Fixing	DIN rail 35mm
Tightening torque for coil terminal	

		max	Nm	0.6
		max	lbin	0.6
Tightening torque for terminals				
		max	Nm	1.2
		max	lbin	0.9
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
		max	mm <sup>2</sup>	10
Terminals tool				PZ2
Weight			g	135
<b>Resistance &amp; Protection</b>				
Frontal IP degree				IP20
Pollution degree				3
<b>Dimensions</b>				



**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