



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	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	2.5

Control circuit

Auxiliary rated supply voltage U_s		220VAC/VDC
Auxiliary contacts		
	NO	Nr. 4
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	150000

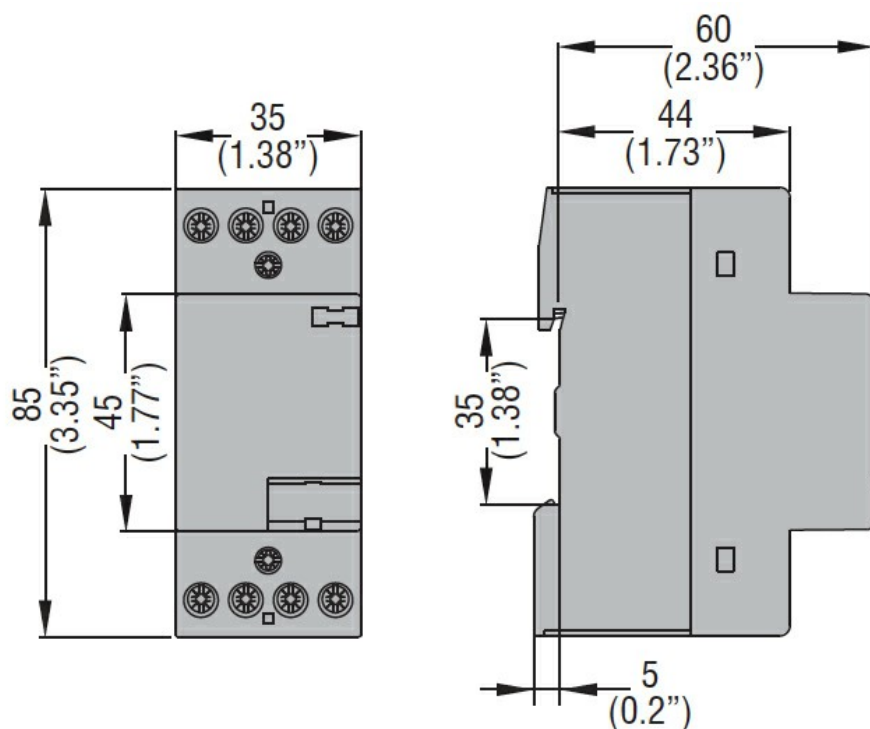
Ambient conditions

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	

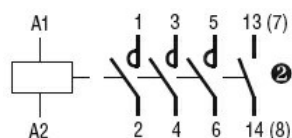
Mechanical features

Fixing	DIN rail 35mm
Tightening torque for coil terminal	

		max	Nm	0.6
		max	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