



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		24VAC/DC
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
Opening NO			
	max	ms	50

Operations

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

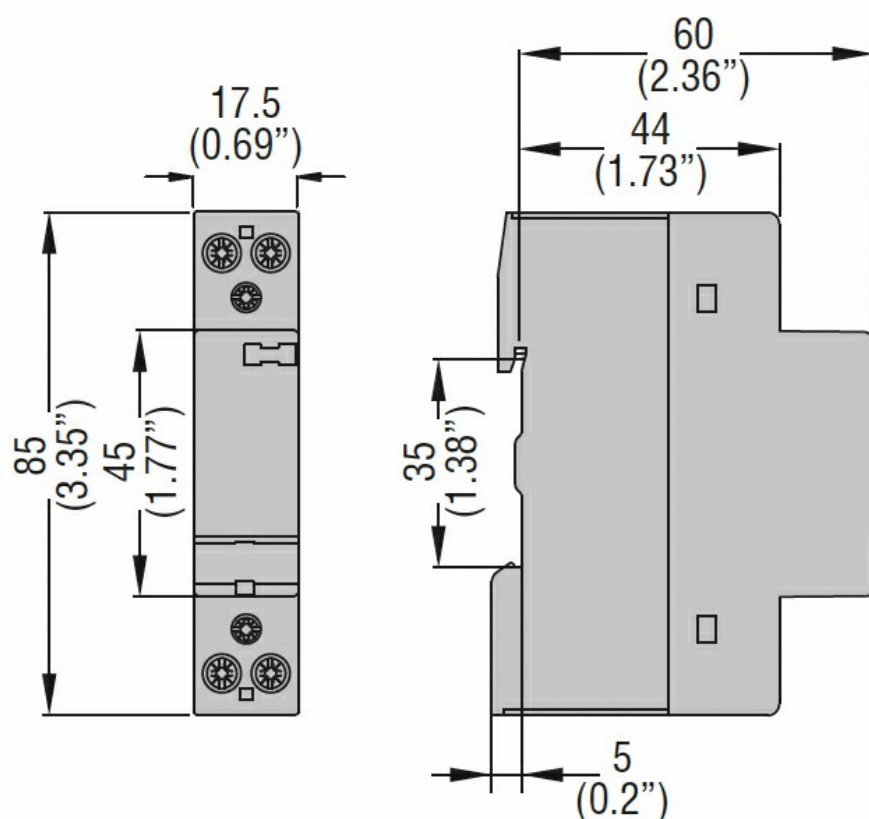
Ambient conditions

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

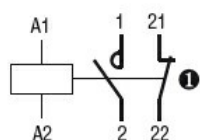
Mechanical features

Fixing			DIN rail 35mm
Tightening torque for coil terminal			
	max	Nm	0.6

Tightening torque for terminals	max	lbin	0.6	
	max	Nm	1.2	
	max	lbin	0.9	
Conductor section	Coil terminal	min	mm²	1
		max	mm²	2.5
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