



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
	max	ms	50
Opening NO	min	ms	15
	max	ms	50

Operations

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

Ambient conditions

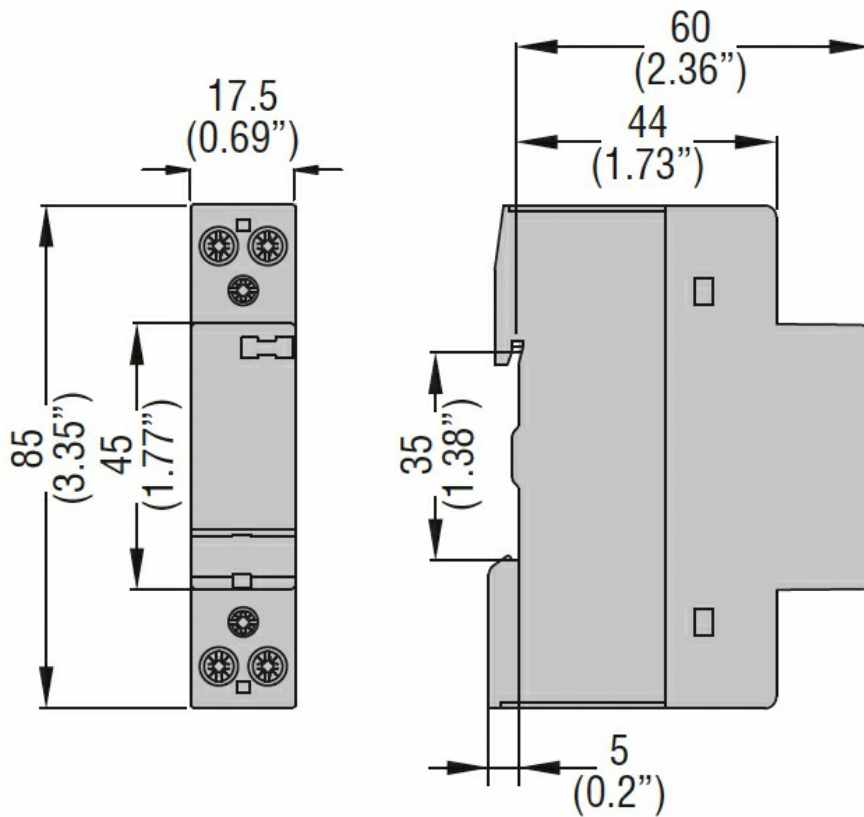
Operating temperature	min	$^{\circ}\text{C}$	-15
	max	$^{\circ}\text{C}$	55
Storage temperature	min	$^{\circ}\text{C}$	-30
	max	$^{\circ}\text{C}$	80
Max altitude	m	2000	

Mechanical features

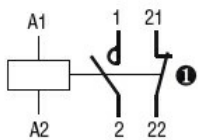
Fixing		DIN rail 35mm
Tightening torque for coil terminal	max	Nm 0.6

		max	I _{bin}	0.6
Tightening torque for terminals		max	Nm	1.2
		max	I _{bin}	0.9
Conductor section	Coil terminal	min	mm ²	1
		max	mm ²	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