



Electrical features

IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$	A	40
Operational current AC1 and AC-7a $\leq 400\text{V}$	A	40
Operational current AC-3 and AC-7b $\leq 400\text{V}$	A	22
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	4

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 5
	holding	W 5

Operating voltage

pick-up	min	% U_s	85
	max	% U_s	110
	min	% U_s	20
	max	% U_s	75
drop-out	min	% U_s	20
	max	% U_s	75

Operating times

Average time	Closing NO	min	ms	15
		max	ms	20
	Opening NO	min	ms	35
		max	ms	45

Operations

Mechanical life	cycles	3000000
Electrical life AC-3	cycles	150000
Electrical life AC1	cycles	100000

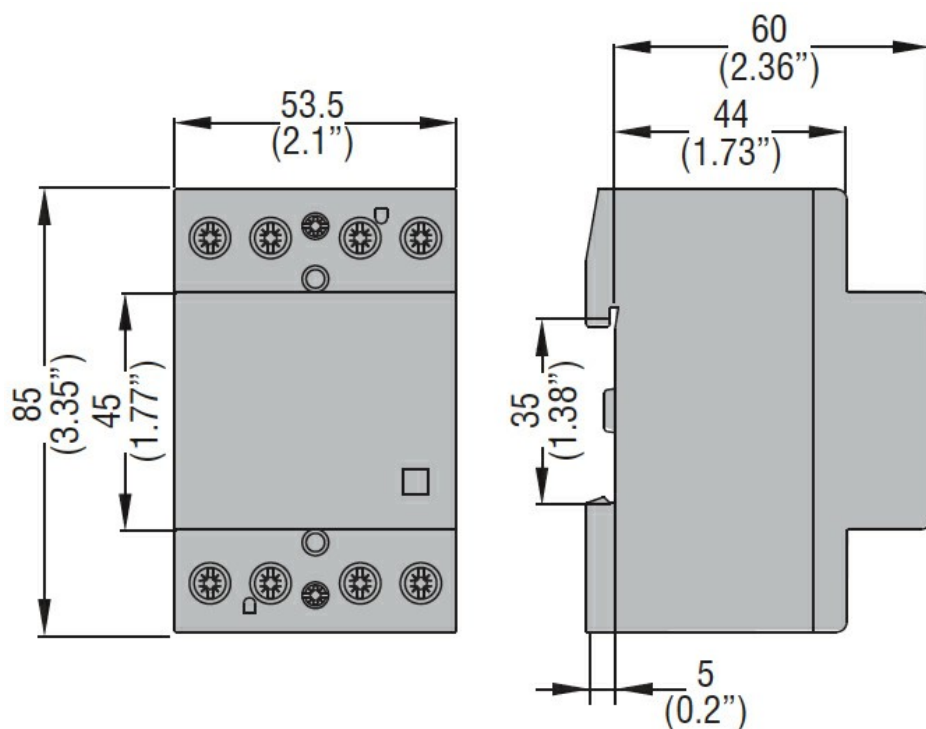
Ambient conditions

Operating temperature	min	°C	-25
	max	°C	+70
Storage temperature	min	°C	-30
	max	°C	80
Max altitude		m	2000

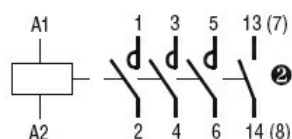
Mechanical features

Fixing	DIN rail 35mm
Tightening torque for coil terminal	

		max	Nm	0.6
		max	Ibin	0.6
Tightening torque for terminals				
		max	Nm	2
		max	Ibin	1.48
Conductor section				
	Coil terminal	min	mm ²	1
		max	mm ²	2.5
	Power terminal	min	mm ²	1.5
		max	mm ²	16
Terminals tool				PZ2
Weight			g	425
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