



### 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
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

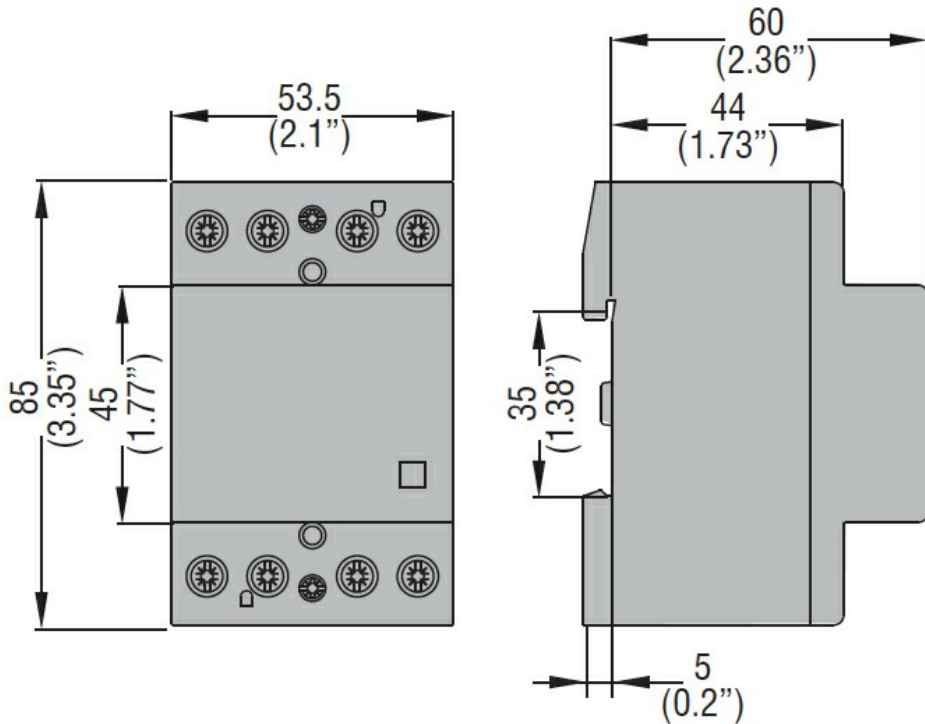
### Ambient conditions

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

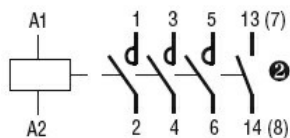
### Mechanical features

Fixing	DIN rail 35mm
Tightening torque for coil terminal	

		max	Nm	0.6
		max	lbin	0.6
Tightening torque for terminals				
		max	Nm	2
		max	lbin	1.48
Conductor section				
	Coil terminal	min	mm <sup>2</sup>	1
		max	mm <sup>2</sup>	2.5
	Power terminal	min	mm <sup>2</sup>	1.5
		max	mm <sup>2</sup>	16
Terminals tool				PZ2
Weight				g 425
<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
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ETIM classification

ETIM 8.0

EC000066 -  
Power contactor,  
AC switching