



Electrical features

IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$	A	20
Rated insulation voltage U_i IEC/EN	V	440
Rated impulse withstand voltage U_{imp}	kV	4
Minimum switching capacity		$\geq 10\text{V} \geq 100\text{mA}$
Power dissipation per pole (average value) I_{th}	W	1.7

Control circuit

Auxiliary rated supply voltage U_s	24VAC		
Auxiliary contacts	NO	Nr.	2
Average coil consumption $\leq 20^{\circ}\text{C}$	in-rush	W	18/13
Operating voltage	pick-up	min	% U_s 85
		max	% U_s 110

Operating times

Average time	Closing NO	min	ms	5
		max	ms	20
	Opening NO	min	ms	5
		max	ms	20

Operations

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

Ambient conditions

Operating temperature	min	$^{\circ}\text{C}$	-5
	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	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 135

Resistance & Protection

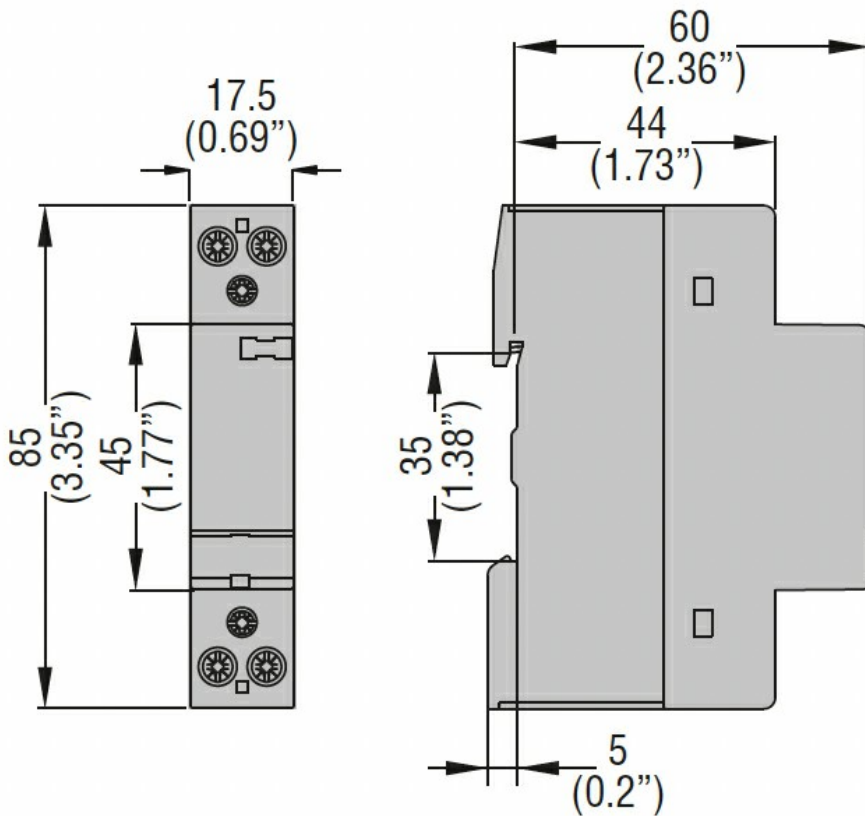
Frontal IP degree

IP20

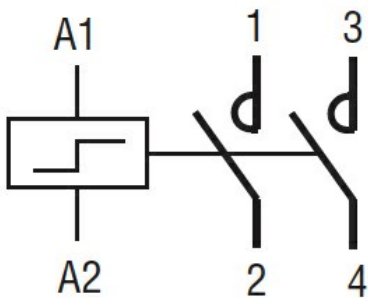
Pollution degree

3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

- IEC/EN/BS 60669-1
- IEC/EN/BS 60669-2-2
- IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

IEC/EN/BS 60947-5-1

IEC/EN/BS 61095

Certificates

EAC

ETIM classification

ETIM 8.0

EC000066 -
Power contactor,
AC switching