



### 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 $U_s$		12VAC
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 <sup>2</sup>	1
max	mm <sup>2</sup>	2.5

Power terminal

min	mm <sup>2</sup>	1
max	mm <sup>2</sup>	10

Terminals tool

PZ2

Weight

g 135

**Resistance & Protection**

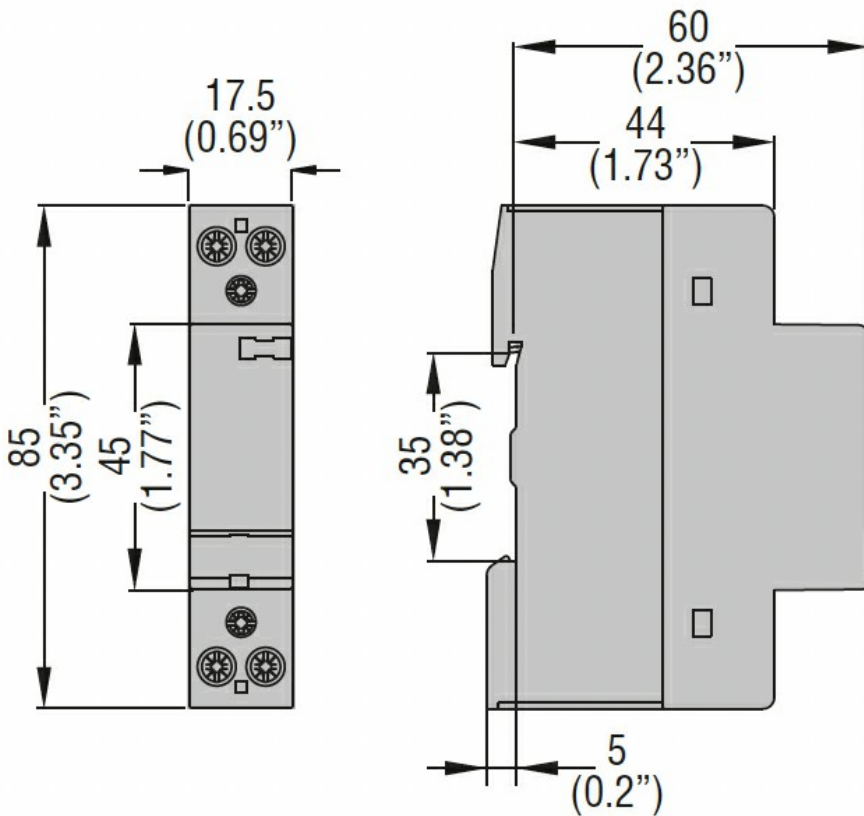
Frontal IP degree

IP20

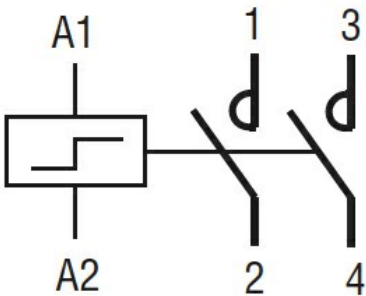
Pollution degree

3

**Dimensions**



**Wiring diagrams**



**Certifications and compliance**

Compliance

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

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IEC/EN/BS 60947-4-1

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IEC/EN/BS 60947-5-1

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IEC/EN/BS 61095

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Certificates

EAC

ETIM classification

ETIM 8.0

EC000066 -  
Power contactor,  
AC switching