



Product designation			MODULAR CONTACTOR	
Product type designation			CNM	
Operating voltage type			AC/DC	
Manual control			YES	
Number of poles			2	
Number of DIN modules			1	
Electrical features				
IEC Conventional free air thermal current I <sub>th</sub>			A	20
Operational current AC1 and AC-7a ≤400V			A	20
Operational current AC-3 and AC-7b ≤400V			A	9
Rated insulation voltage U <sub>i</sub> IEC/EN			V	440
Rated impulse withstand voltage U <sub>imp</sub>			kV	4
Minimum switching capacity			≥17V ≥50mA	
Power dissipation per pole (average value) I <sub>th</sub>			W	1.7
Control circuit				
Auxiliary rated supply voltage U <sub>s</sub>			220VAC/VDC	
Auxiliary contacts			NO	Nr. 2
Average coil consumption ≤20°C			in-rush	W 2.5
			holding	W 2.5
Operating voltage				
pick-up		min	%U <sub>s</sub>	85
		max	%U <sub>s</sub>	110
	drop-out	min	%U <sub>s</sub>	20
		max	%U <sub>s</sub>	75
Operating times				
Average time				
Closing NO		min	ms	15
		max	ms	45
	Opening NO	min	ms	25
		max	ms	50
Operations				
Mechanical life			cycles	3000000
Electrical life AC-3			cycles	300000
Electrical life AC1			cycles	200000
Ambient conditions				
Operating temperature			min	°C -25
			max	°C +70

Storage temperature

min	°C	-30
max	°C	80

Max altitude

m	2000
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### 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	1.2
max	lbin	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

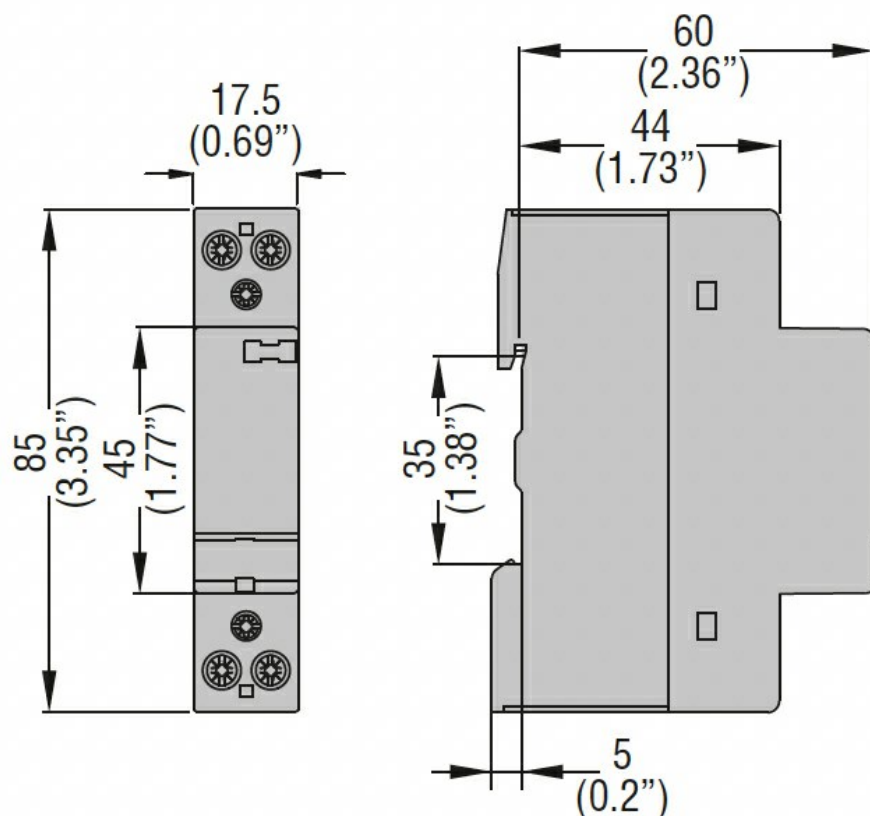
Frontal IP degree

IP20

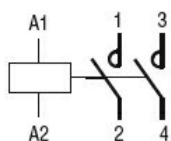
Pollution degree

3

### Dimensions



### Wiring diagrams



## Certifications and compliance

### Compliance

IEC/EN 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