



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 _{th}			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 _i IEC/EN			V	440	
Rated impulse withstand voltage U _{imp}			kV	4	
Minimum switching capacity			≥17V ≥50mA		
Power dissipation per pole (average value) I _{th}			W	1.7	
Control circuit					
Auxiliary rated supply voltage U _s			24VAC/DC		
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 _s	85		
		%U _s	110		
	drop-out	min	%U _s	20	
		max	%U _s	75	
Operating times					
Average time					
Closing NO	min	ms	15		
		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 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

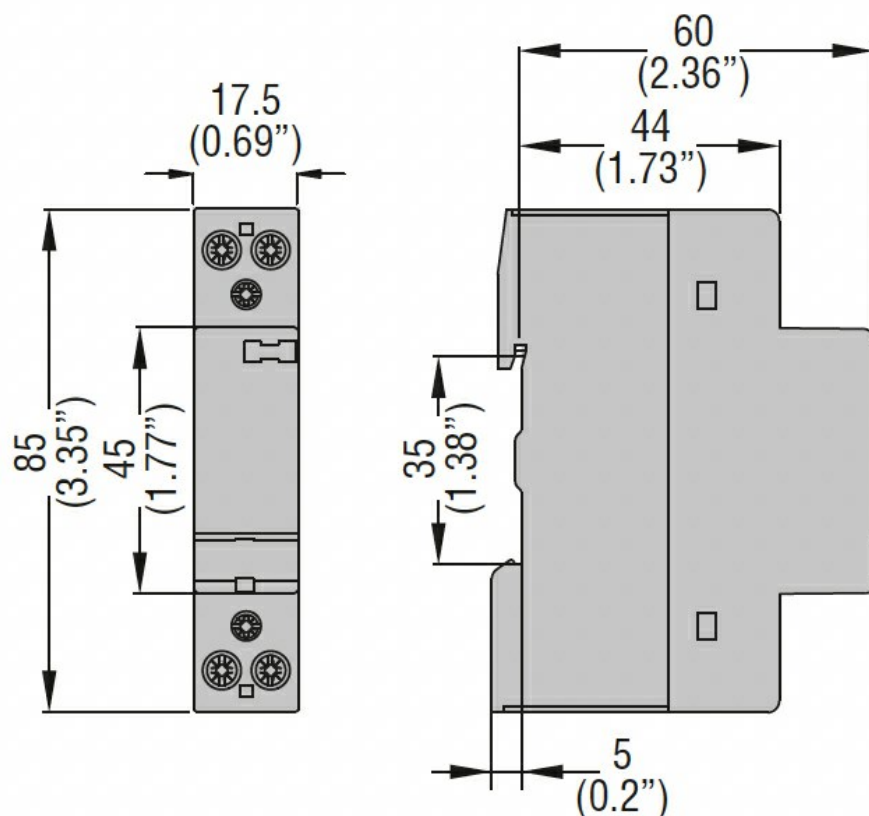
Frontal IP degree

IP20

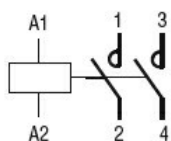
Pollution degree

3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 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