



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		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 _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	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

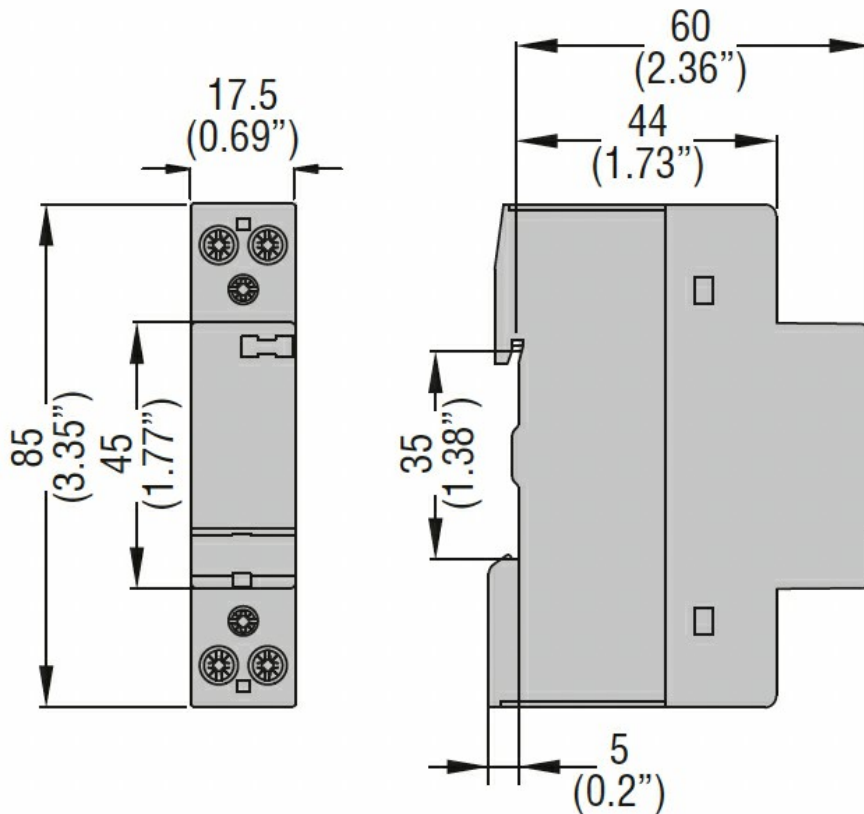
Frontal IP degree

IP20

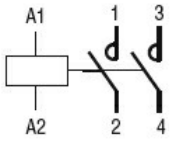
Pollution degree

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