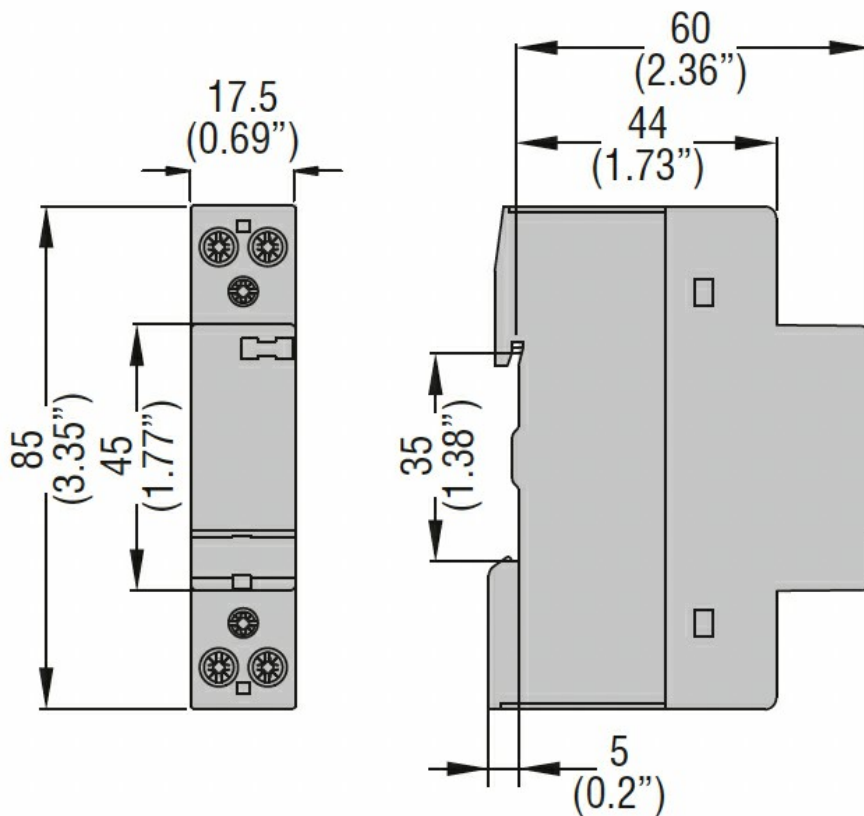




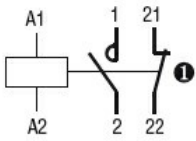
Product designation	MODULAR CONTACTOR		
Product type designation	CNM		
Operating voltage type	AC/DC		
Manual control	YES		
Number of poles	2		
Number of DIN modules	1		
<b>Electrical features</b>			
IEC Conventional free air thermal current I <sub>th</sub>	A	20	
Operational current AC1 and AC-7a ≤400V	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	
<b>Control circuit</b>			
Auxiliary rated supply voltage U <sub>s</sub>		220VAC/VDC	
Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	1
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
<b>Operating times</b>			
Average time			
Closing NO			
	min	ms	15
	max	ms	45
Opening NO			
	min	ms	25
	max	ms	50
<b>Operations</b>			
Mechanical life		cycles	3000000
Electrical life AC-3		cycles	300000
Electrical life AC1		cycles	200000
<b>Ambient conditions</b>			
Operating temperature	min	°C	-15

	max	°C	55
Storage temperature	min	°C	-30
	max	°C	80
Max altitude		m	2000
<b>Mechanical features</b>			
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
<b>Resistance &amp; Protection</b>			
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