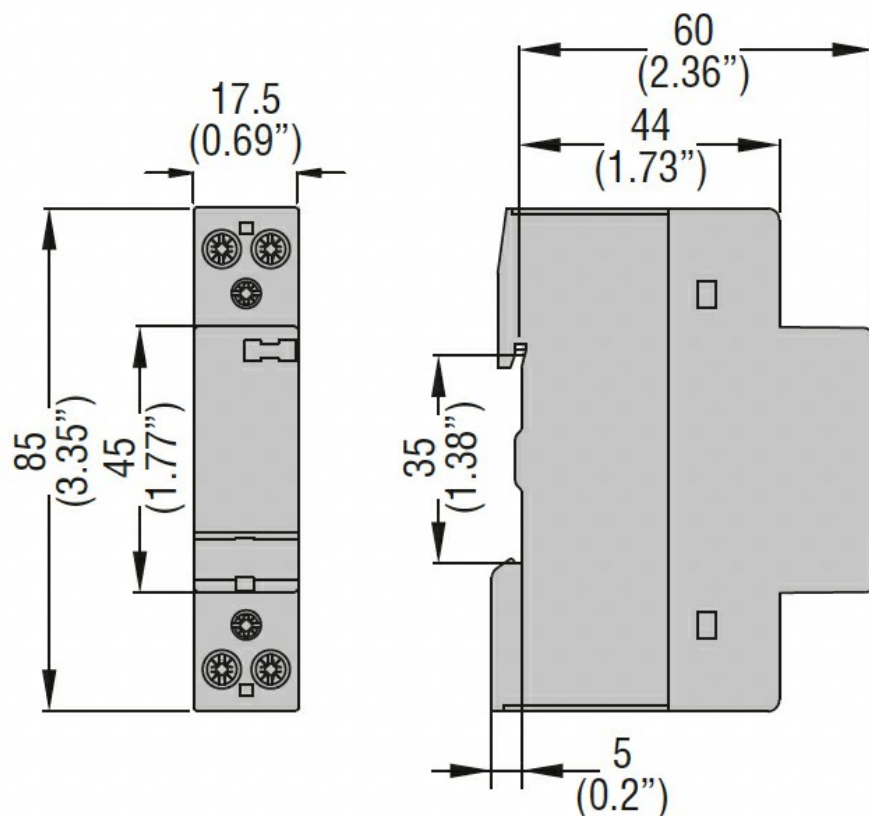


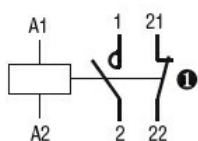


Product designation			MODULAR CONTACTOR		
Product type designation			CNM		
Operating voltage type			AC/DC		
Manual control			YES		
Number of poles			2		
Number of DIN modules			1		
Electrical features					
IEC Conventional free air thermal current I _{th}			A	20	
Operational current AC1 and AC-7a ≤400V			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.	1
			NC	Nr.	1
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	-15

Storage temperature	max	°C	55
	min	°C	-30
Max altitude	max	°C	80
		m	2000
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