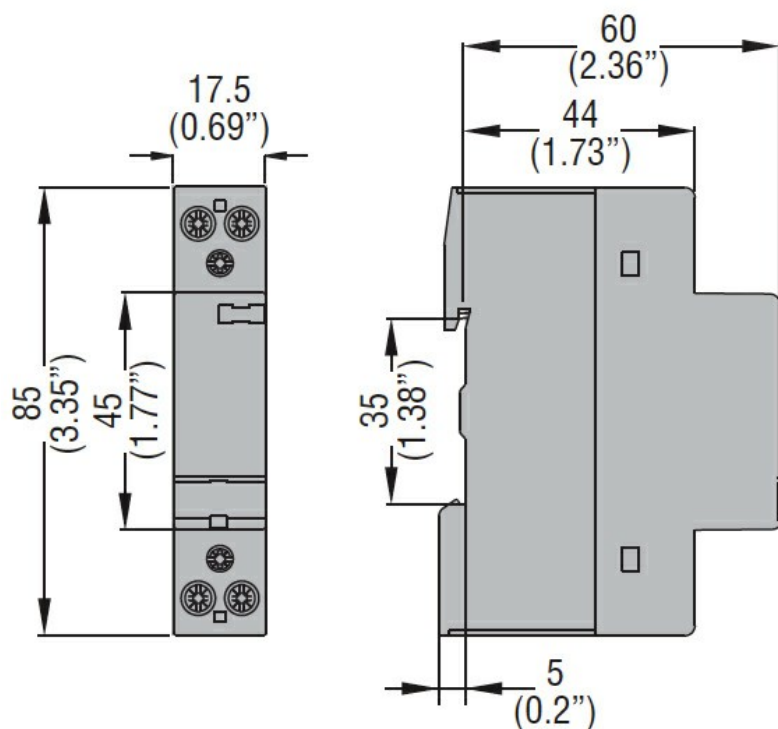


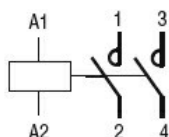


Product designation			MODULAR CONTACTOR	
Product type designation			CN	
Operating voltage type			AC/DC	
Number of poles			2	
Number of DIN modules			1	
Electrical features				
IEC Conventional free air thermal current I <sub>th</sub>			A	20
Operational current AC1 and AC-7a ≤400V			A	20
Operational current 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>			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 <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	-40
	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
<b>Dimensions</b>			



## 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