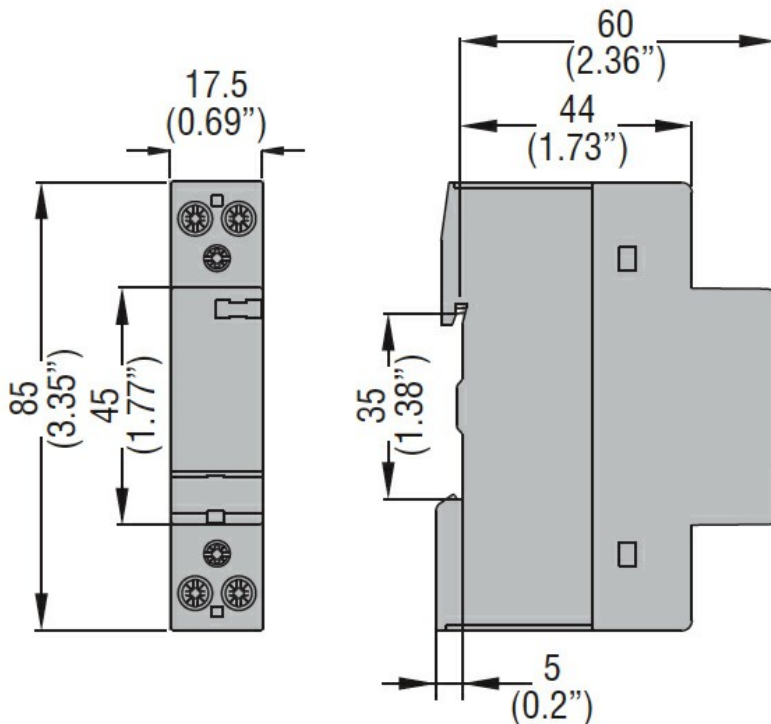


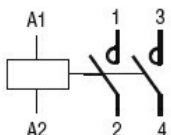


Product designation				MODULAR CONTACTOR	
Product type designation				CN	
Operating voltage type				AC/DC	
Number of poles				2	
Number of DIN modules				1	
Electrical features					
IEC Conventional free air thermal current I _{th}	A			20	
Operational current AC1 and AC-7a ≤400V	A			20	
Operational current 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	
		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	-40
	max	°C	80
Max altitude		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