



Product designation

MODULAR CONTACTOR

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
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

AC/DC Control circuit

Auxiliary rated supply voltage U _s		220
Auxiliary contacts	NO	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 AC3	cycles	300000
Electrical life AC1	cycles	200000

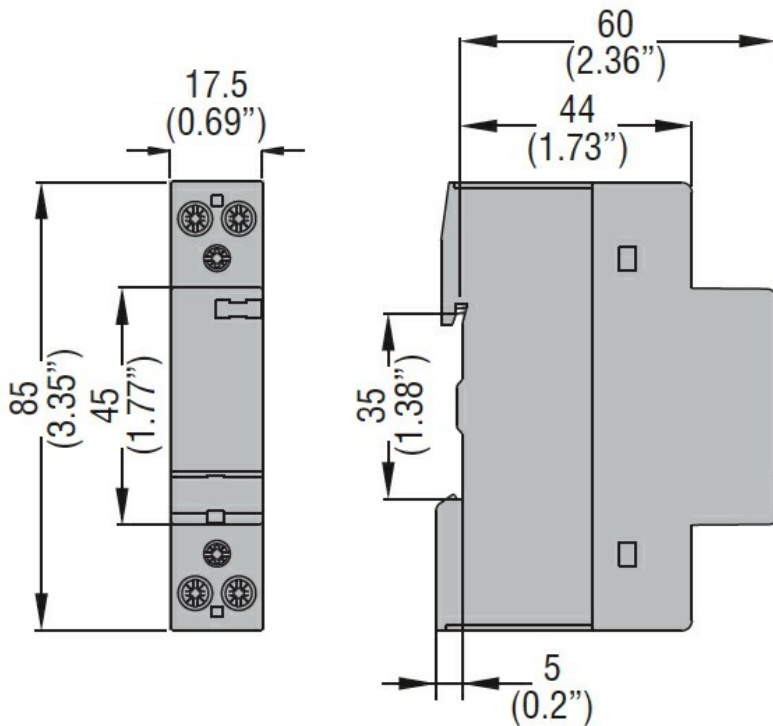
Ambient conditions

Operating temperature	min	°C	-15
	max	°C	55

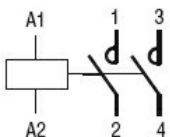
Storage temperature

	min	°C	-30
	max	°C	+80
Max altitude		m	2000
Mechanical features			
Fixing			DIN rail 35mm
Tightening torque for coil terminal	max	Nm	0.6
	max	lbft	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
Terminals IP degree			IP2X (front)
Pollution degree			3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 60947-4-1

IEC/EN 60947-5-1

IEC/EN 60957-1

IEC/EN 61095

Certificates

EAC