CNM3220024

MODULAR CONTACTOR WITH MANUAL CONTROL, ONE OR TWO-POLE, 32A AC1, 24VAC/DC (2NO)



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 Ith			A	32
Operational current AC1 and AC-7a ≤400V			A	32
Operational current AC3 and AC-7b ≤400V			A	9
Rated insulation voltage Ui IEC/EN			V	440
Rated impulse withstand voltage Uimp			kV	4
Minimum switching capacity				≥17V ≥50mA
Power dissipation per pole (average value) Ith			W	2.5
Control circuit				
Auxiliary rated supply voltage Us				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	%Us	85
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	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	500000
Electrical life AC1			cycles	150000
Ambient conditions				
Operating temperature				
		min	°C	-25
		max	°C	+70

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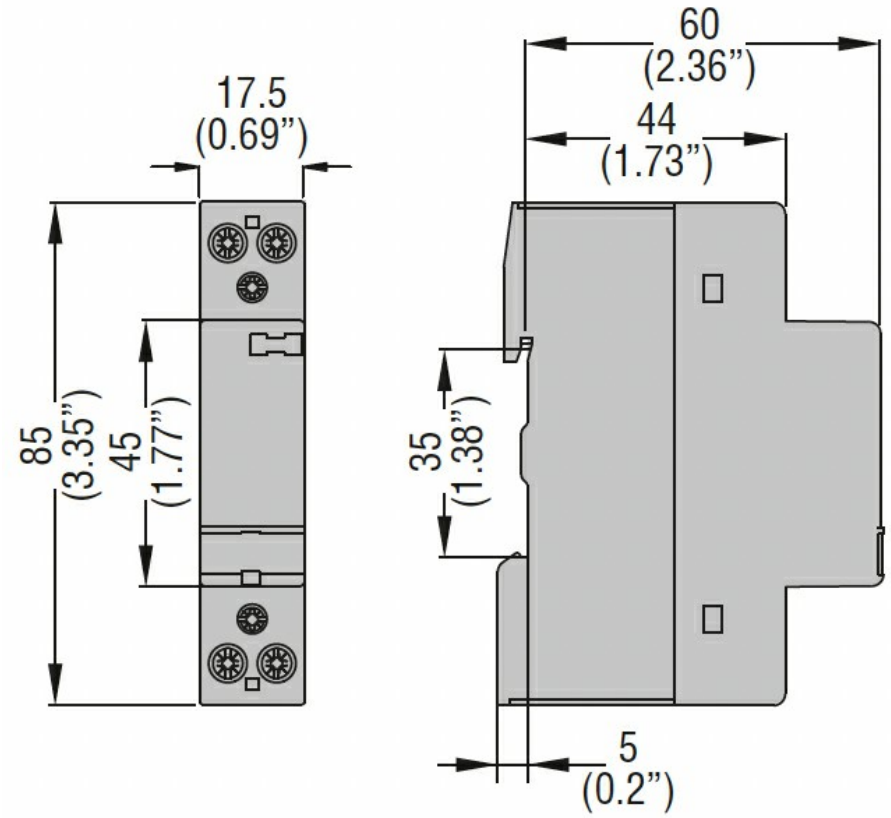
Storage temperature				
		min	°C	-30
		max	°C	80
Max altitude			m	2000
Mechanical features				
Fixing				DIN rail 35mm
Tightening torque for coil terminal				
		max	Nm	0.6
		max	lbin	0.6
Tightening torque for terminals				
		max	Nm	1.2
		max	lbin	0.9
Conductor section				
	Coil terminal			
		min	mm²	1
		max	mm²	2.5
	Power terminal			
		min	mm²	1
		max	mm²	10
Terminals tool				PZ2
Weight			g	135
Resistance & Protection				
Frontal IP degree				IP20
Pollution degree				3

Dimensions [mm (in)]



Wiring diagrams

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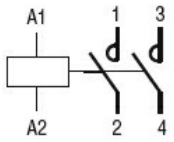

Certifications and compliance

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

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