CN3201220

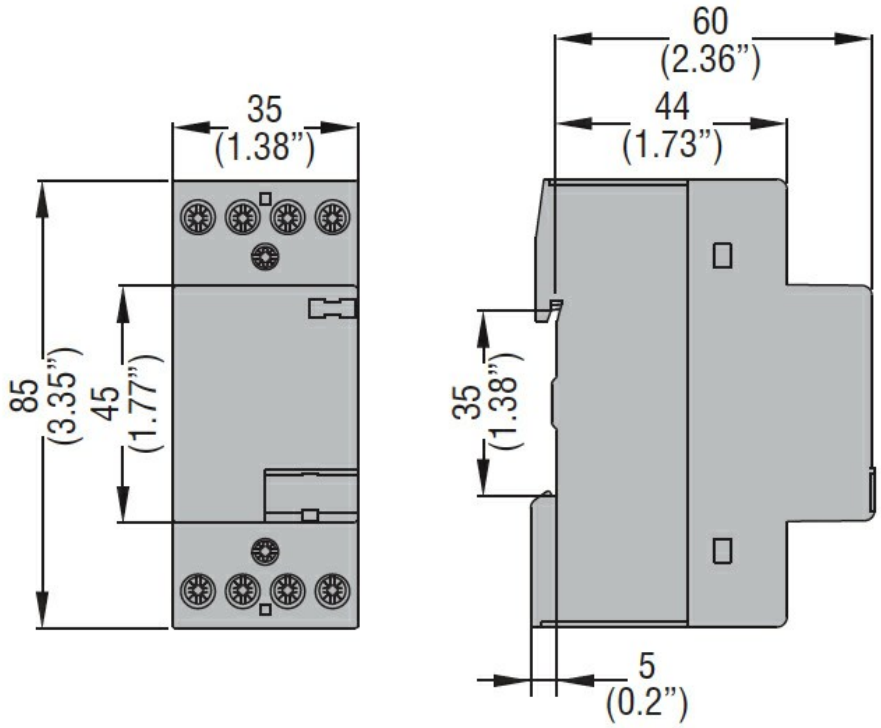
Modular contactor, three-pole or four-pole, 32A AC1, 220...230VAC (3NO+1NC)



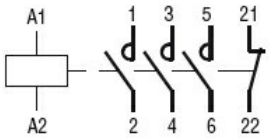
Product designation			MODULAR CONTACTOR
Product type designation			CN
Operating voltage type			AC/DC
Number of poles			4
Number of DIN modules			2
Electrical features			
IEC Conventional free air thermal current Ith		A	32
Operational current AC1 and AC-7a ≤400V		A	32
Operational current AC3 and AC-7b ≤400V		A	8.5
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			220VAC/VDC
Auxiliary contacts			
	NO	Nr.	3
	NC	Nr.	1
Average coil consumption ≤20°C			
	in-rush	W	3
	holding	W	3
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	20
	max	ms	70
Operations			
Mechanical life		cycles	3000000
Electrical life AC3		cycles	500000
Electrical life AC1		cycles	150000
Ambient conditions			
Operating temperature			
	min	°C	-15
	max	°C	55

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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	260
Resistance & Protection				
Frontal IP degree				IP20
Pollution degree				3
Dimensions				



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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