Lovato electric
ENERGY AND AUTOMATION

CN4004024

MODULAR CONTACTOR, THREE-POLE OR FOUR-POLE, 40A AC1, 24VAC/DC (4NC)



Electrical features				
IEC Conventional free air thermal current Ith ≤ 40°C			A	40
Operational current AC1 and AC-7a ≤400V			A	40
Operational current AC-3 and AC-7b ≤400V			A	22
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	4
Control circuit				
Auxiliary rated supply voltage Us				24V AC/DC
Average coil consumption ≤20°C				
		in-rush	W	5
		holding	W	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
Operations				
Mechanical life			cycles	3000000
Electrical life AC1			cycles	100000
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	lbin	0.6
Tightening torque for terminals				
		max	Nm	2
		max	lbin	1.48
Conductor section				
	Coil terminal			

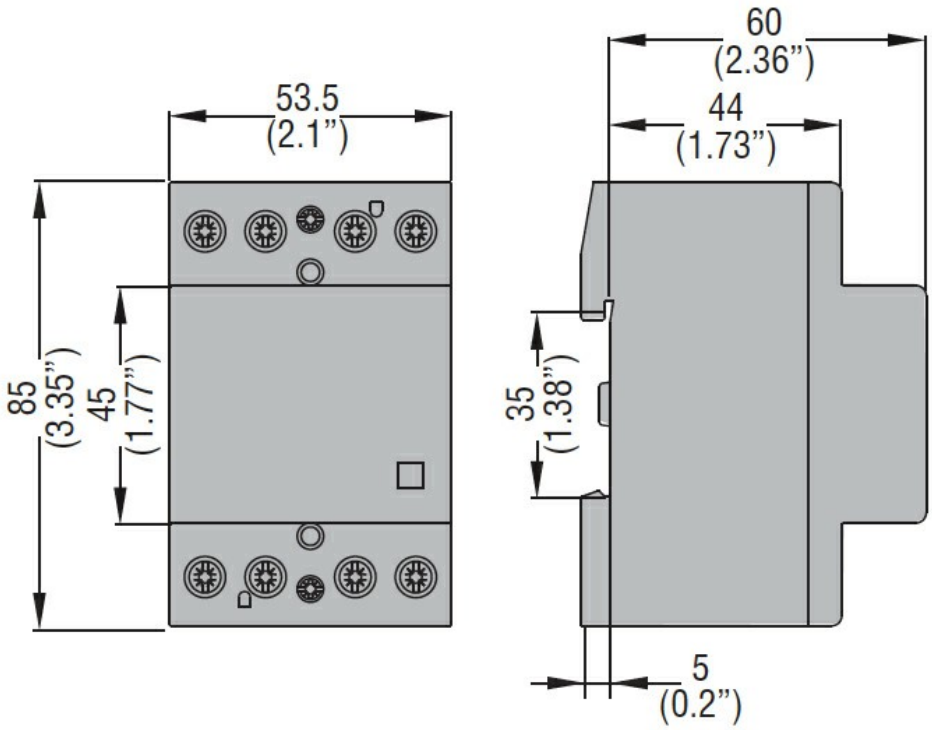
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		min	mm²	1
		max	mm²	2.5
	Power terminal			
		min	mm²	1.5
		max	mm²	16
Terminals tool				PZ2
Weight			g	425

Resistance & Protection

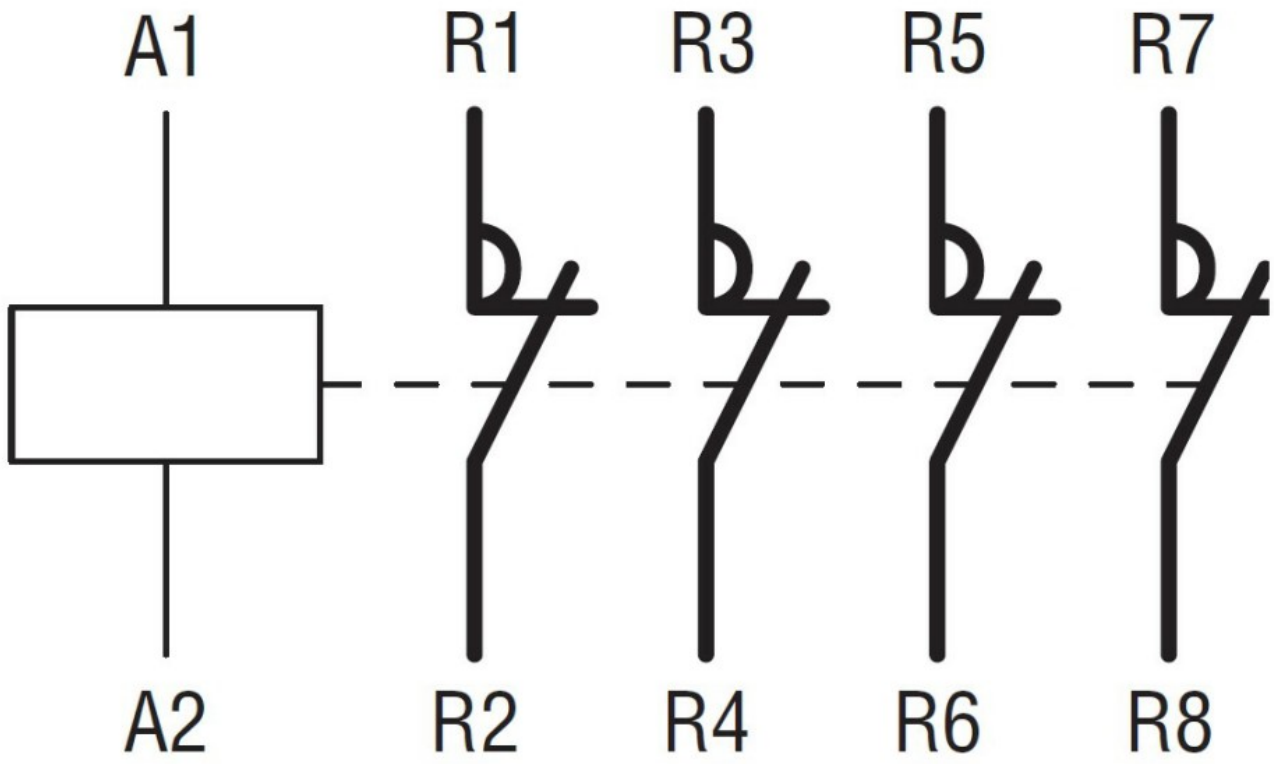
Frontal IP degree	IP20
Pollution degree	3

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

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