Lovato electric
ENERGY AND AUTOMATION

CN4004220

MODULAR CONTACTOR, THREE-POLE OR FOUR-POLE, 40A AC1, 220...230VAC (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				220V 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			

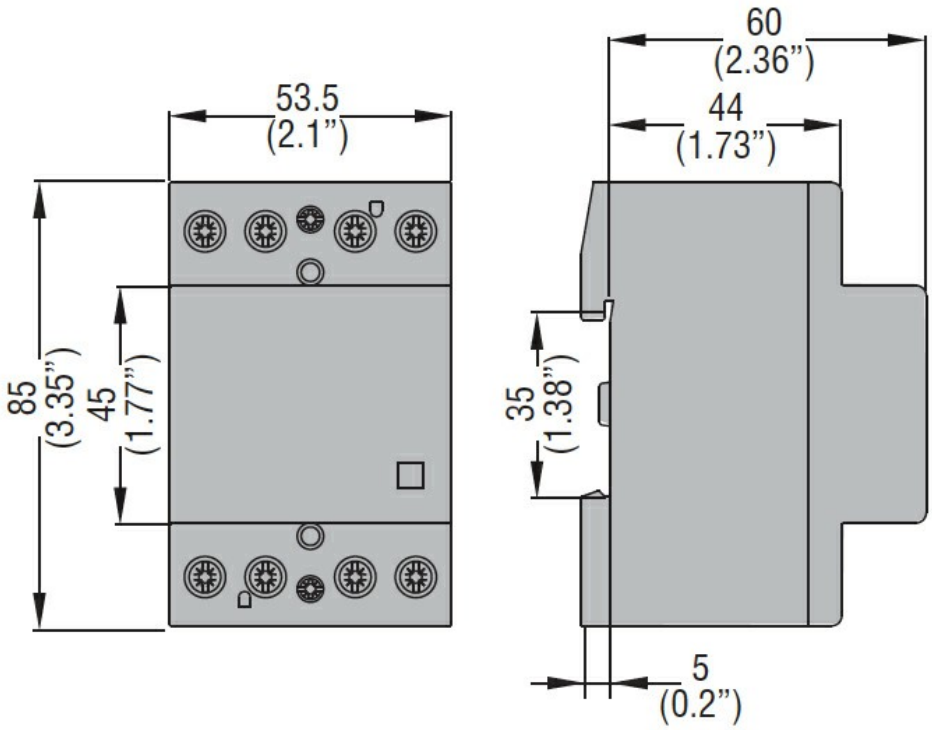
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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

Resistance & Protection

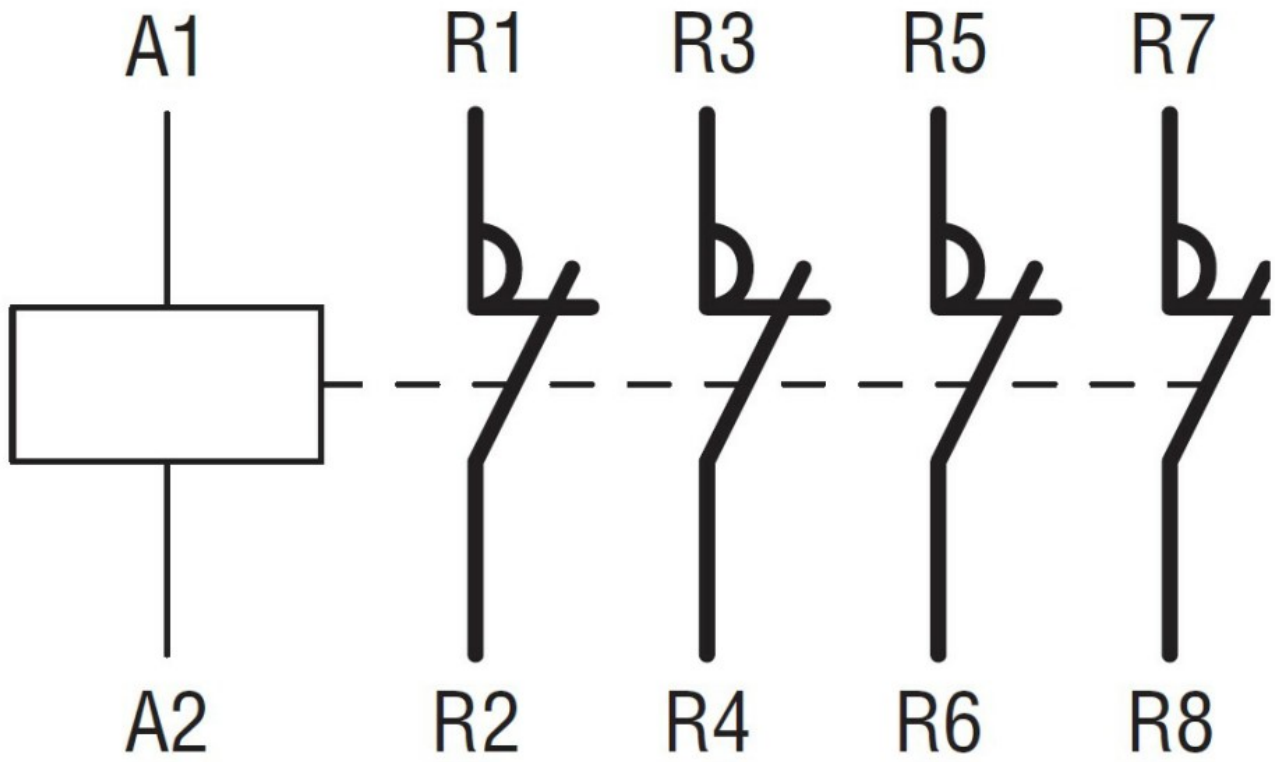
Frontal IP degree	IP20
Pollution degree	3

Dimensions



Wiring diagrams

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



Certifications and compliance

Compliance	IEC/EN 60947-1
	IEC/EN 60947-4-1
	IEC/EN 60947-5-1
	IEC/EN 61095
Certificates	EAC

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding