Lovato electric
ENERGY AND AUTOMATION

CN2504220

MODULAR CONTACTOR, THREE-POLE OR FOUR-POLE, 25A AC1, 220...230VAC (4NC)



Electrical features				
IEC Conventional free air thermal current Ith ≤ 40°C			A	25
Operational current AC1 and AC-7a ≤400V			A	25
Operational current AC-3 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
Control circuit				
Auxiliary rated supply voltage Us				220V AC/DC
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
Operations				
Mechanical life			cycles	3000000
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	lbin	0.6
Tightening torque for terminals				
		max	Nm	1.2
		max	lbin	0.9
Conductor section				
	Coil terminal			

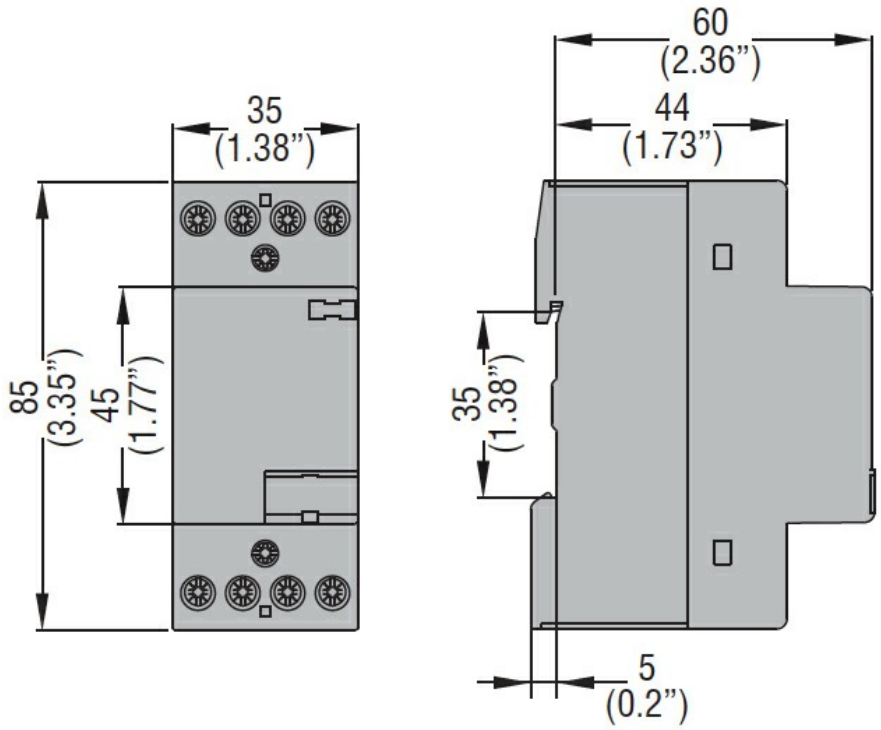
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		min	mm²	1
		max	mm²	2.5
	Power terminal			
		min	mm²	1
		max	mm²	10
Terminals tool				PZ2
Weight			g	260

Resistance & Protection

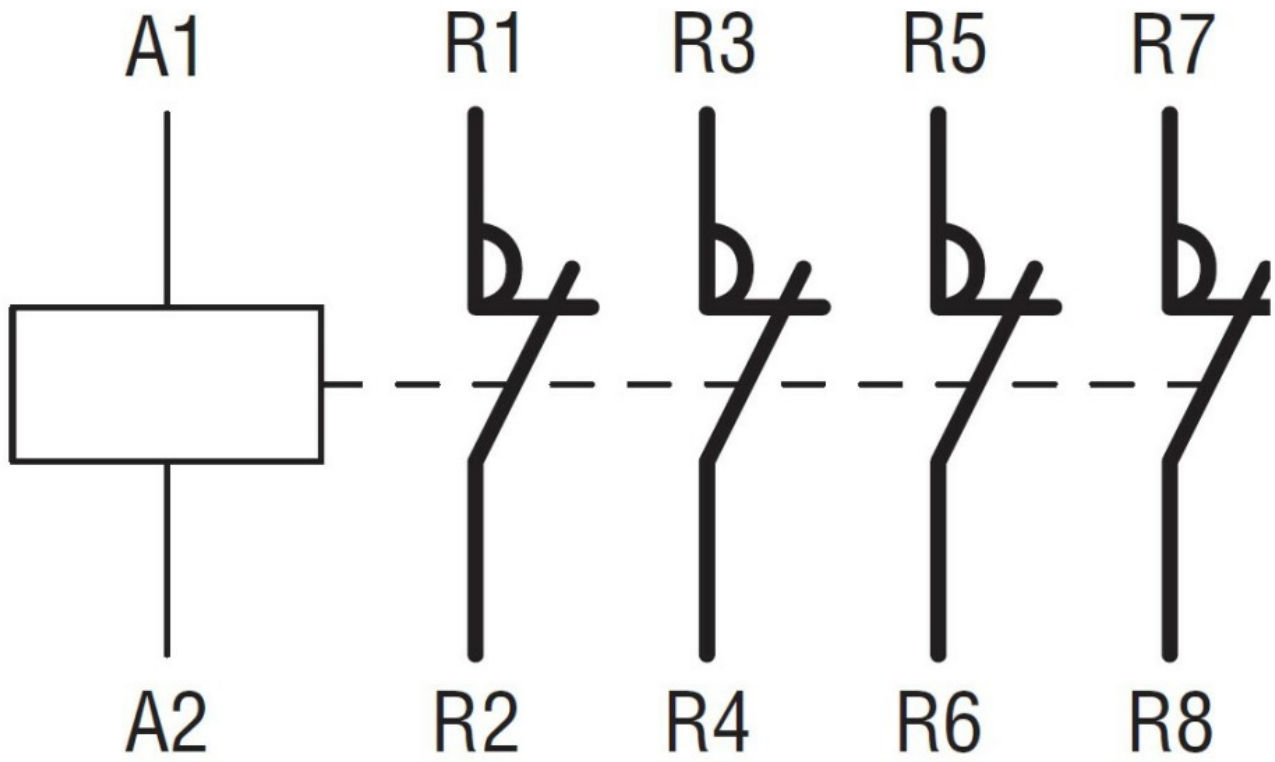
Frontal IP degree	IP20
Pollution degree	3

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	EC001653 - Installation contactor for distribution board

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