Lovato electric
ENERGY AND AUTOMATION

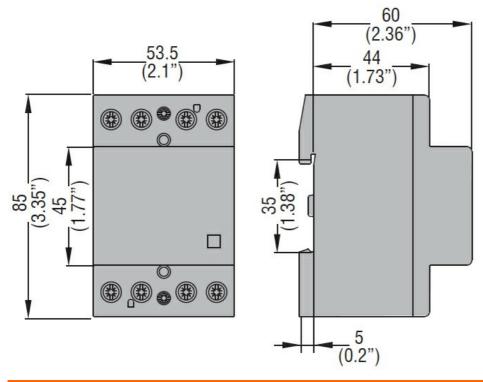| Product designation			MODULAR CONTACTOR
Product type designation			CN
Operating voltage type			AC/DC
Number of poles			4
Number of DIN modules			3
Electrical features			
IEC Conventional free air thermal current Ith		A	63
Operational current AC1 and AC-7a ≤400V		A	63
Operational current AC-3 and AC-7b ≤400V		A	30
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	8
Control circuit			
Auxiliary rated supply voltage Us			220VAC/VDC
Auxiliary contacts			
	NO	Nr.	2
	NC	Nr.	2
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
	max	ms	20
Opening NO			
	min	ms	35
	max	ms	45
Operations			
Mechanical life		cycles	3000000
Electrical life AC-3		cycles	150000
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			
		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

Certifications and compliance

Compliance

IEC/EN 60947-1
IEC/EN 60947-4-1
IEC/EN 60947-5-1
IEC/EN 61095

Certificates

EAC