Lovato electric
ENERGY AND AUTOMATION

CNB2011024

LATCHING RELAY, ONE OR TWO-POLE, 20A AC1, 24VAC (1NO+1NC)



Product designation			LATCHING RELAY
Product type designation			CNB
Operating voltage type			AC
Manual control			YES
Number of poles			2
Number of DIN modules			1
Electrical features			
IEC Conventional free air thermal current Ith		A	20
Rated insulation voltage Ui IEC/EN		V	440
Rated impulse withstand voltage Uimp		kV	4
Minimum switching capacity			≥10V ≥100mA
Power dissipation per pole (average value) Ith		W	1.7
Control circuit			
Auxiliary rated supply voltage Us			24VAC
Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	1
Average coil consumption ≤20°C			
	in-rush	W	18/13
Operating voltage			
pick-up			
	min	%Us	85
	max	%Us	110
Operating times			
Average time			
Closing NO			
	min	ms	5
	max	ms	20
Opening NO			
	min	ms	5
	max	ms	20
Operations			
Mechanical life		cycles	3000000
Electrical life AC3		cycles	300000
Electrical life AC1		cycles	200000
Ambient conditions			
Operating temperature			
	min	°C	-5
	max	°C	55
Storage temperature			
	min	°C	-30
	max	°C	80
Max altitude		m	2000
Mechanical features			

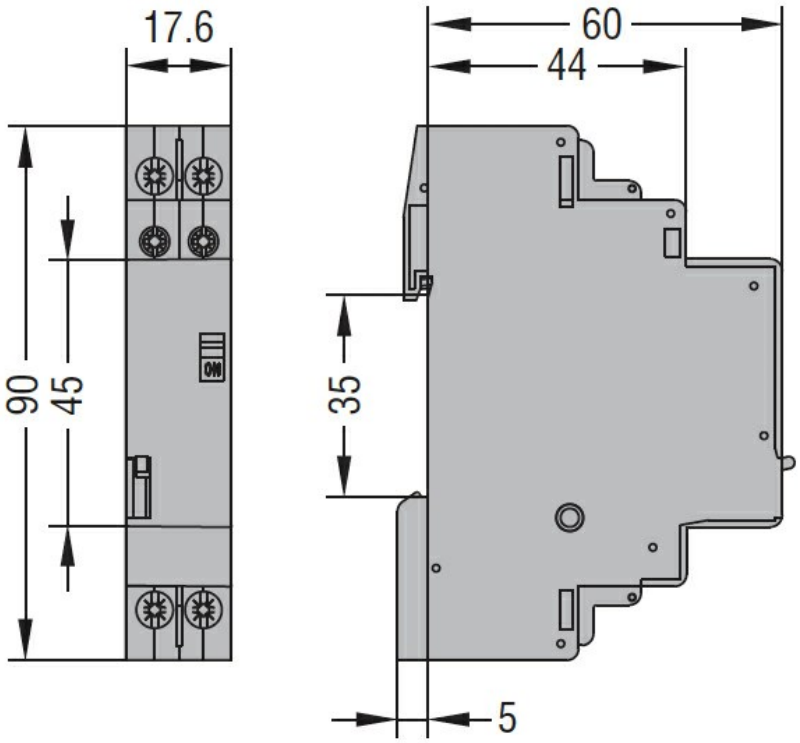
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Fixing				DIN rail 35mm
Tightening torque for coil terminal				
		max	Nm	0.6
		max	lbin	0.6
Tightening torque for terminals				
		max	Nm	1.2
		max	lbin	0.9
Conductor section				
	Coil terminal			
		min	mm²	1
		max	mm²	2.5
	Power terminal			
		min	mm²	1
		max	mm²	10
Terminals tool				PZ2
Weight			g	135

Resistance & Protection

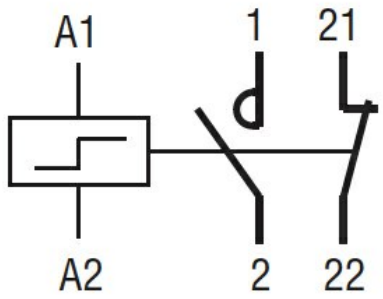
Frontal IP degree	IP20
Pollution degree	3

Dimensions



Wiring diagrams

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Certifications and compliance

Compliance

IEC/EN/BS 60669-1
IEC/EN/BS 60669-2-2
IEC/EN/BS 60947-1
IEC/EN/BS 60947-4-1
IEC/EN/BS 60947-5-1
IEC/EN/BS 61095

Certificates

EAC

ETIM classification

ETIM 8.0	EC000066 - Power contactor, AC switching

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