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Lovato electric
ENERGY AND AUTOMATION

CNB2011230

LATCHING RELAY, ONE OR TWO-POLE, 20A AC1, 230VAC (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			230VAC
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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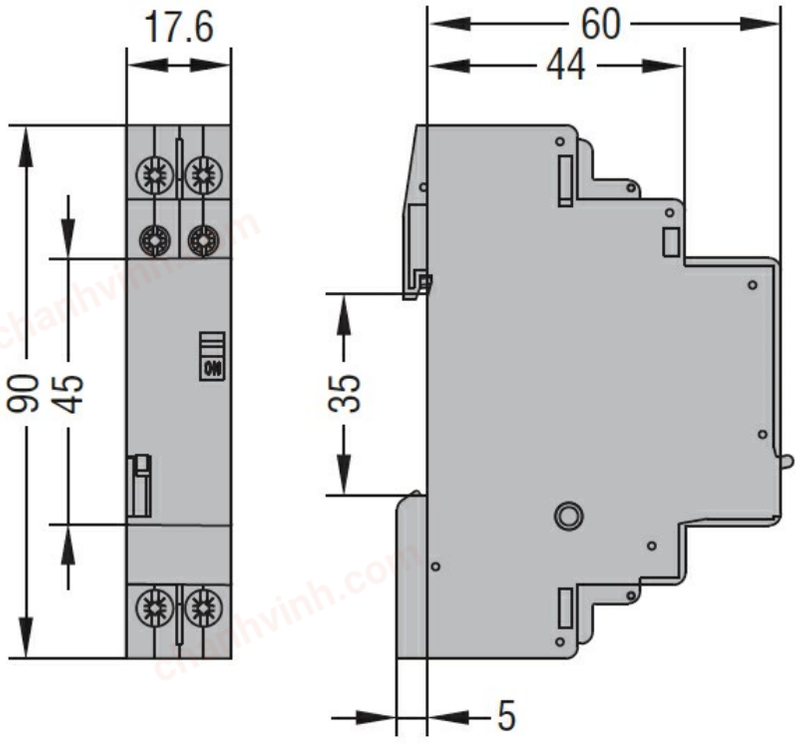
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Fixing			DIN rail 35mm
Tightening torque for coil terminal			
	max	Nm	0.6
	max	Ibin	0.6
Tightening torque for terminals			
	max	Nm	1.2
	max	Ibin	0.9
Conductor section			
Coil terminal			
	min	mm²	1
	max	mm²	2.5
Power terminal			
	min	mm²	1
	max	mm²	10
Terminals tool			PZ2
Weight		g	135

Resistance & Protection

Frontal IP degree			IP20
Pollution degree			3

Dimensions



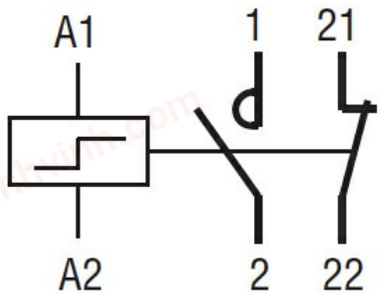
Wiring diagrams

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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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