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Lovato electric
ENERGY AND AUTOMATION

P1MB3PC20

MINIATURE CIRCUIT BREAKER, 3P - 10KA. 3 MODULES, CHARACTERISTIC C, 20A



Electrical features			
Rated insulation voltage Ui IEC/EN		V	440
Rated impulse withstand voltage Uimp		kV	4
Rated operational voltage AC (IEC)		VAC	230/400
Rated frequency		Hz	50/60
Rated current (In)		A	20
Tripping curve			C
Short circuit rating (IEC)		kA	10
Limiting class			3
Electrical life		cycles	10000
Performance level B10d according to EN/ISO 13489-1 rated load		cycles	10000
Power dissipation per pole max		W	1.56
Ambient conditions			
Operating temperature			
	min	°C	-40
	max	°C	+70
Storage temperature			
	min	°C	-40
	max	°C	+80
Max altitude		m	2000
Mechanical features			
Operating position			
	normal		Vertical plan
Fixing			35mm DIN rail
Tightening torque for terminals			
	min	Nm	1.8
	max	Nm	2
	min	lbin	16
	max	lbin	17.7
Terminals tool			Pz 2
Conductor section			
IEC			
	min	mm²	1
	max	mm²	35
AWG/Kcmil			
	min		14
	max	kcmil	6
Mechanical life		cycles	20000
Weight		g	345
Frontal IP degree			IP20
Pollution degree			2
Grid distance as per Annex H.1 of IEC/EN60898-1 standard		mm	60
Dimensions			

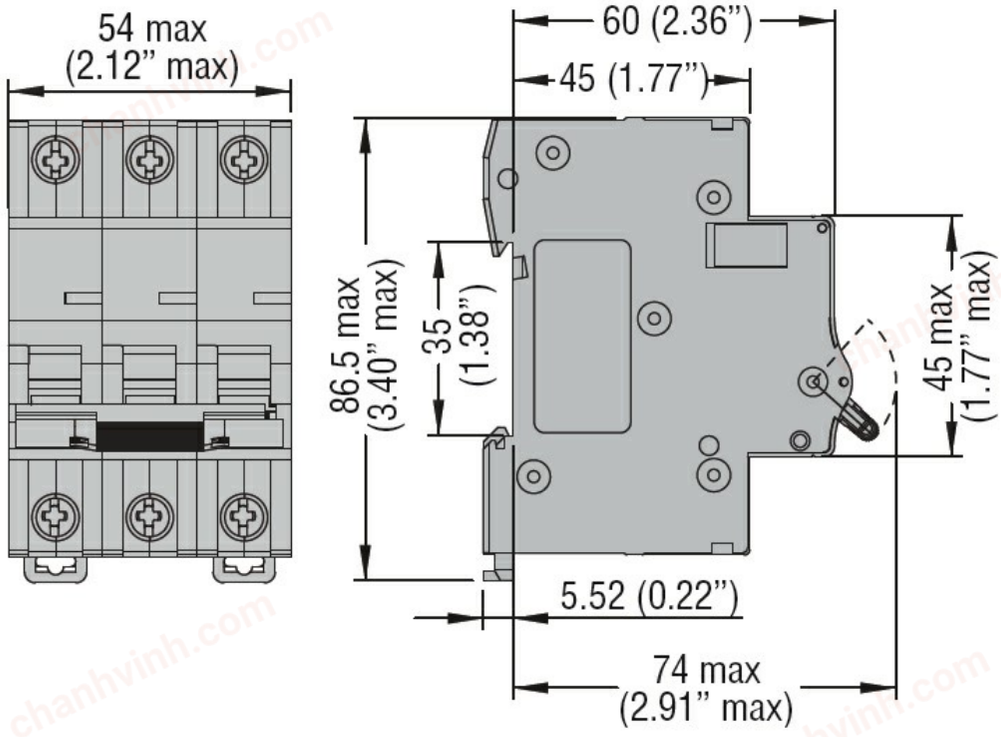
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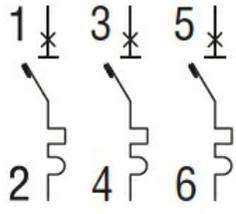
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Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n°235. UR "UL Recognized" per Canada e USA.
IEC/EN 60898-1
IEC/EN 60947-2
UL 1077

Certifications

cURus
EAC
TÜV-Rheinland

ETIM classification

ETIM 8.0	EC000042 - Miniature circuit breaker (MCB)

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