Lovato electric
ENERGY AND AUTOMATION

P2MB3PD080

MINIATURE CIRCUIT BREAKER, 1P, 2P, 3P AND 4P - 10KA, CHARACTERISTIC D, 80A

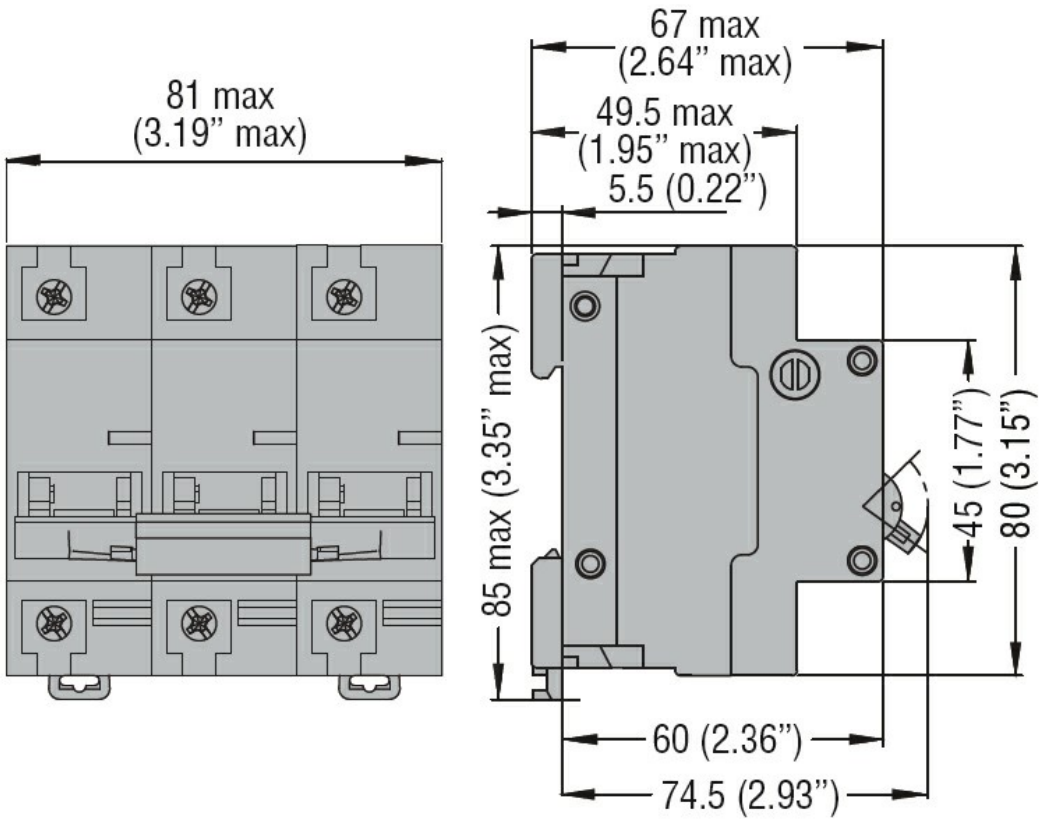
Product designation			Miniature circuit breaker (MCB)
Product type designation			P2 MB
Number of poles			3P
Number of DIN modules			4.5
Compliance			IEC / UL1077
Electrical features			
Rated insulation voltage Ui IEC/EN		V	400
Rated impulse withstand voltage Uimp		kV	6
Rated operational voltage AC (IEC)		VAC	230/400
Rated frequency		Hz	50/60
Rated current (In)		A	80
Tripping curve			D
Short circuit rating (IEC)		kA	10
Electrical life		cycles	10000
Power dissipation per pole max		W	11.58
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	3.2
	max	Nm	3.5
	min	lbin	28.3
	max	lbin	31
Terminals tool			Pz 2
Conductor section			
IEC			
	min	mm²	2.5
	max	mm²	50
AWG/Kcmil			
	min		14
	max		1/0
Mechanical life		cycles	10000
Weight		g	510
Frontal IP degree			IP20
Pollution degree			3

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

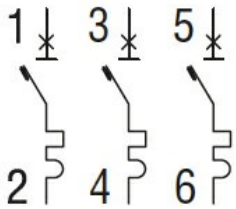
P2MB3PD080

MINIATURE CIRCUIT BREAKER, 1P, 2P, 3P AND 4P - 10KA, CHARACTERISTIC D, 80A

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

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

Certifications

cURus
EAC
TÜV-Rheinland

ETIM classification

ETIM 8.0	EC000042 - Miniature circuit breaker (MCB)

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding