Lovato electric
ENERGY AND AUTOMATION

Product designation			Miniature circuit breaker (MCB)
Product type designation			P1 MB
Number of poles			1P
Number of DIN modules			1
Compliance			IEC / UL489
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 operational voltage AC (UL)		V	277
Rated operational voltage DC		VDC	60
Rated frequency		Hz	50/60
Rated current (In)		A	6
Tripping curve			D
Short circuit rating (IEC)		kA	10
Short circuit rating (UL)		kA	10
Electrical life		cycles	10000
Power dissipation per pole max		W	1.04
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	Ibin	16
	max	Ibin	17.7
Terminals tool			Pz 2
Conductor section			
	IEC		
	min	mm²	1
	max	mm²	35
	AWG/Kcmil		
	min		14
	max		6
Mechanical life		cycles	20000

Weight	g	133
Frontal IP degree		IP20
Pollution degree		2

Dimensions
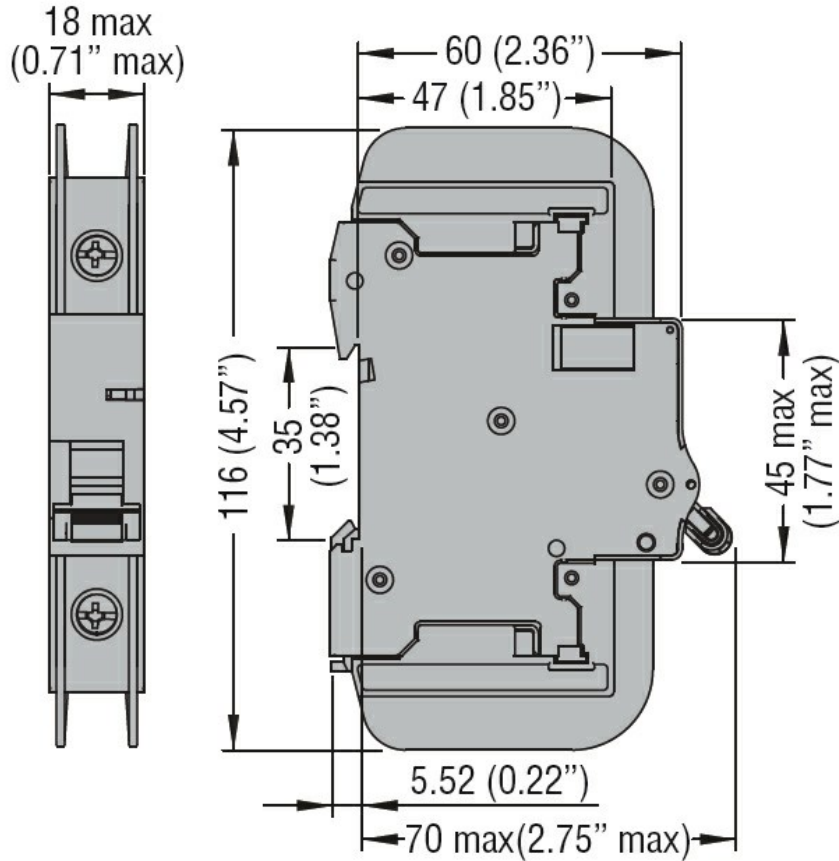
Wiring diagrams

Certifications and compliance

Compliance

IEC/EN 60947-2

UL489

Certifications

cULus

EAC

ETIM classification

ETIM 8.0	EC000042 - Miniature circuit breaker (MCB)