



Product designation	Miniature circuit breaker (MCB)
Product type designation	P1 MB
Number of poles	2P
Number of DIN modules	2
Compliance	IEC / UL1077

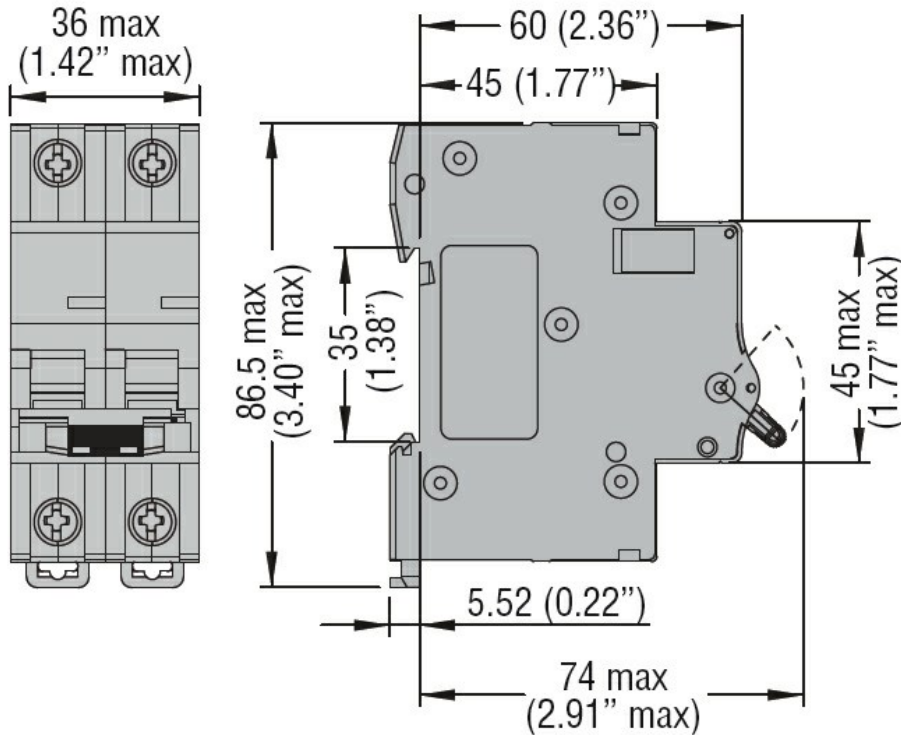
Electrical features			
Rated insulation voltage U_i IEC/EN	V		440
Rated impulse withstand voltage U_{imp}	kV		4
Rated operational voltage AC (IEC)	VAC		230/400
Rated operational voltage DC	VDC		80
Rated frequency	Hz		50/60
Rated current (I_n)	A		50
Tripping curve			D
Short circuit rating (IEC)	kA		10
Electrical life	cycles		10000
Power dissipation per pole max	W		3.5

Ambient conditions			
Operating temperature	min	°C	-40
	max	°C	+70
Storage temperature	min	°C	-40
	max	°C	+80
Max altitude	m		2000

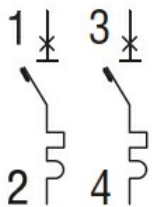
Mechanical features				
Operating position	normal		Vertical plan	
Fixing			35mm DIN rail	
Tightening torque for terminals	min	Nm	1.8	
	max	Nm	2	
	min	lbin	16	
	max	lbin	17.7	
Terminals tool			Pz 2	
Conductor section	IEC	min	mm ²	1
		max	mm ²	35
	AWG/Kcmil	min		14
		max		6
	Mechanical life		cycles	20000
	Weight		g	230
Frontal IP degree			IP20	

Pollution degree	2
Grid distance as per Annex H.1 of IEC/EN60898-1 standard	mm 60

Dimensions



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)