



Product designation

Miniature circuit  
breaker (MCB)

Product type designation

P1 MB

Number of poles

1P

Number of DIN modules

1

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
Rated operational voltage DC	VDC	80
Rated frequency	Hz	50/60
Rated current ( $I_n$ )	A	13
Tripping curve		C
Short circuit rating (IEC)	kA	10
Electrical life	cycles	10000
Power dissipation per pole max	W	1.69

### Ambient conditions

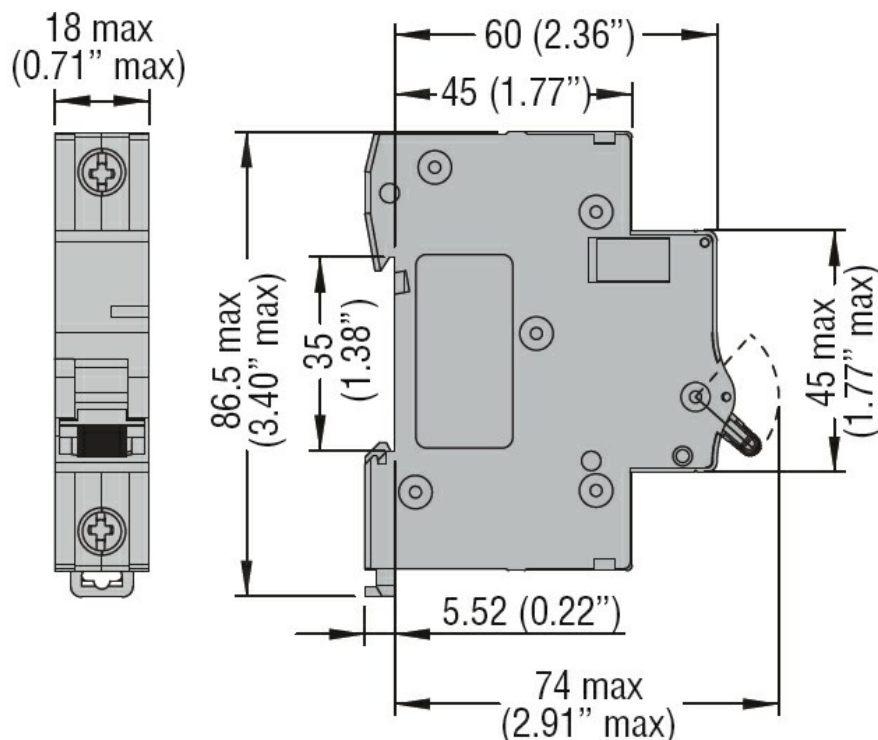
Operating temperature	min	°C	-40
	max	°C	+70
Storage temperature	min	°C	-40
	max	°C	+80
Max altitude	m	2000	

### Mechanical features

Operating position	normal		Vertical plan
			35mm DIN rail
Fixing			
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 <sup>2</sup>	1
	max	mm <sup>2</sup>	35
	AWG/Kcmil		
	min		14
	max		6
Mechanical life	cycles		20000
Weight	g		115
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 -  
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