



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		B
Short circuit rating (IEC)	kA	10
Electrical life	cycles	10000
Power dissipation per pole max	W	3.5

#### Ambient conditions

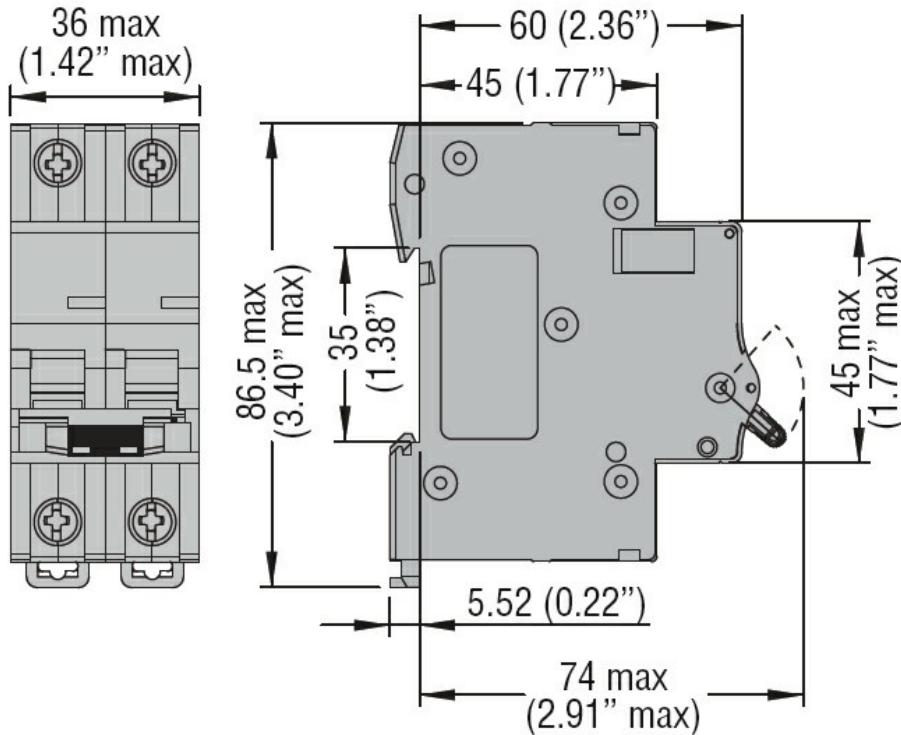
Operating temperature	min	°C	-40
	max	°C	+70
Storage temperature	min	°C	-40
	max	°C	+80
Max altitude	m		2000

#### Mechanical features

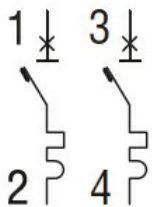
Operating position	normal	Vertical plan		
Fixing		35mm DIN rail		
Tightening torque for terminals	min	Nm	1.8	
	max	Nm	2	
	min	lbin	16	
	max	lbin	17.7	
Terminals tool		Pz 2		
Conductor section	IEC	min	mm <sup>2</sup>	1
		max	mm <sup>2</sup>	35
	AWG/Kcmil	min		14
		max		6
	Mechanical life		cycles	20000
	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)