



Product designation	Miniature circuit breaker (MCB)		
Product type designation	P1 MB		
Number of poles	1P		
Number of DIN modules	1		
Compliance	IEC / UL1077		
<b>Electrical features</b>			
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	8	
Tripping curve	D		
Short circuit rating (IEC)	kA	10	
Electrical life	cycles	10000	
Power dissipation per pole max	W	0.96	
<b>Ambient conditions</b>			
Operating temperature	min	°C	-40
	max	°C	+70
Storage temperature	min	°C	-40
	max	°C	+80
Max altitude	m	2000	
<b>Mechanical features</b>			
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	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 -  
Miniature circuit  
breaker (MCB)