



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	C				
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			

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Pollution degree

2

**Certifications and compliance**

Compliance

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CSA C22.2 n°235. UR "UL Recognized" per Canada e USA.

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IEC/EN 60898-1

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IEC/EN 60947-2

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UL 1077

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Certifications

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cURus

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EAC

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TÜV-Rheinland

**ETIM classification**

ETIM 8.0

EC000042 -  
Miniature circuit  
breaker (MCB)