



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	50		
Tripping curve	C			
Short circuit rating (IEC)	kA	10		
Electrical life	cycles	10000		
Power dissipation per pole max	W	3.5		
<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)
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