



Product designation	Miniature circuit breaker (MCB)		
Product type designation	P1 MB		
Number of poles	3P		
Number of DIN modules	3		
Compliance	IEC / UL489		
<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	230/400	
Rated operational voltage AC (UL)	V	480Y/277	
Rated frequency	Hz	50/60	
Rated current ( $I_n$ )	A	12	
Tripping curve	D		
Short circuit rating (IEC)	kA	10	
Short circuit rating (UL)	kA	10	
Electrical life	cycles	10000	
Power dissipation per pole max	W	1.69	
<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
			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	388	

Frontal IP degree	IP20
Pollution degree	2

**Dimensions**



**Wiring diagrams**



**Certifications and compliance**

Compliance	IEC/EN 60947-2
	UL489
Certifications	cULus
	EAC

**ETIM classification**

ETIM 8.0	EC000042 - Miniature circuit breaker (MCB)
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