



Product designation			Miniature circuit breaker (MCB)		
Product type designation			P1 MB		
Number of poles			1P		
Number of DIN modules			1		
Compliance			IEC / UL489		
Electrical features					
Rated insulation voltage Ui IEC/EN			V	440	
Rated impulse withstand voltage Uimp			kV	4	
Rated operational voltage AC (IEC)			VAC	230/400	
Rated operational voltage AC (UL)			V	277	
Rated operational voltage DC			VDC	60	
Rated frequency			Hz	50/60	
Rated current (In)			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	
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
					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	mm²	1
			max	mm²	35
			AWG/Kcmil		
			min		14
			max		6
Mechanical life			cycles	20000	

Weight	g	133
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)