

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			1.6
Tripping curve				D
Short circuit rating (IEC)	kA			10
Electrical life	cycles			10000
Power dissipation per pole max	W			1.07
<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
<b>ETIM classification</b>				
ETIM 8.0				EC000042 - Miniature circuit breaker (MCB)