



ENERGY AND AUTOMATION

			Miniature circuit
Product designation			breaker (MCB)
Product type designation			P1 MB
Number of poles			3P
Number of DIN modules			3
Compliance			IEC / UL1077
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 frequency		Hz	50/60
Rated current (In)		Α	1.6
Tripping curve			D
Short circuit rating (IEC)		kA	10
Electrical life		cycles	10000
Power dissipation per pole max		W	1.07
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			
Operating position			
	normal		Vertical plan
Fixing	normal		Vertical plan 35mm DIN rail
	normal		35mm DIN rail
Fixing	normal	Nm	35mm DIN rail
Fixing	min max	Nm	35mm DIN rail 1.8 2
Fixing	min	Nm Ibin	35mm DIN rail 1.8 2 16
Fixing Tightening torque for terminals	min max	Nm	35mm DIN rail 1.8 2 16 17.7
Fixing Tightening torque for terminals Terminals tool	min max min	Nm Ibin	35mm DIN rail 1.8 2 16
Fixing Tightening torque for terminals Terminals tool Conductor section	min max min	Nm Ibin	35mm DIN rail 1.8 2 16 17.7
Fixing Tightening torque for terminals Terminals tool	min max min max	Nm Ibin Ibin	35mm DIN rail 1.8 2 16 17.7 Pz 2
Fixing Tightening torque for terminals Terminals tool Conductor section	min max min max	Nm Ibin Ibin	35mm DIN rail 1.8 2 16 17.7 Pz 2
Fixing Tightening torque for terminals Terminals tool Conductor section IEC	min max min max	Nm Ibin Ibin	35mm DIN rail 1.8 2 16 17.7 Pz 2
Fixing Tightening torque for terminals Terminals tool Conductor section	min max min max min max	Nm Ibin Ibin	35mm DIN rail 1.8 2 16 17.7 Pz 2
Fixing Tightening torque for terminals Terminals tool Conductor section IEC	min max min max min max	Nm Ibin Ibin	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35
Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil	min max min max min max	Nm Ibin Ibin mm² mm²	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35
Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil	min max min max min max	Nm Ibin Ibin mm² mm²	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000
Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight	min max min max min max	Nm Ibin Ibin mm² mm²	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 345
Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight Frontal IP degree	min max min max min max	Nm Ibin Ibin mm² mm²	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 345 IP20
Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight Frontal IP degree Pollution degree	min max min max min max	Nm Ibin Ibin mm² mm²	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 345 IP20 2
Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight Frontal IP degree Pollution degree Grid distance as per Annex H.1 of IEC/EN60898-1 standard	min max min max min max	Nm Ibin Ibin mm² mm²	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 345 IP20
Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight Frontal IP degree Pollution degree	min max min max min max	Nm Ibin Ibin mm² mm²	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 345 IP20 2 60
Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight Frontal IP degree Pollution degree Grid distance as per Annex H.1 of IEC/EN60898-1 standard ETIM classification	min max min max min max	Nm Ibin Ibin mm² mm²	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 345 IP20 2 60 EC000042 -
Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight Frontal IP degree Pollution degree Grid distance as per Annex H.1 of IEC/EN60898-1 standard	min max min max min max	Nm Ibin Ibin mm² mm²	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 345 IP20 2 60