



ENERGY AND AUTOMATION

			Ministrus sinsuit
Product designation			Miniature circuit breaker (MCB)
Product type designation			P1 MB
Number of poles			2P
Number of DIN modules			2
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 operational voltage DC		VDC	80
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
Operating position Fixing	normal		Vertical plan 35mm DIN rail
Operating position			35mm DIN rail
Operating position Fixing	min	Nm	35mm DIN rail
Operating position Fixing	min max	Nm	35mm DIN rail 1.8 2
Operating position Fixing	min max min	Nm Ibin	35mm DIN rail 1.8 2 16
Operating position Fixing Tightening torque for terminals	min max	Nm	35mm DIN rail 1.8 2 16 17.7
Operating position 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
Operating position 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
Operating position 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
Operating position 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 230
Operating position 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 230 IP20
Operating position 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 Ibin cycles	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 230 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 230 IP20
Operating position 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 Ibin cycles	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 230 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 Ibin cycles	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 230 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 Ibin cycles	35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 230 IP20 2 60