



Product type designation P1 MB Number of poles 2P Number of DIN modules 2 Compliance IEC / UL489 Flectrical features IEC / UL489 Rated insulation voltage Ui IEC/EN V 440 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (UL) V 240 Rated operational voltage AC (UL) V 240 Rated operational voltage DC VDC 125 Rated current (In) A 35 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 2.46 Ambient conditions C +70 Storage temperature min °C +40 max °C +70 Storage temperature Min °C -40 max °C +70 Max altitude m 2000 Max altitude m 2000 Max altitude m 2000	Product designation			Miniature circuit breaker (MCB)
Number of poles 2P Number of DIN modules 2 Compliance IEC / UL488 Electrical features V 440 Rated insulation voltage UI EC/EN V 440 Rated insulation voltage LI EC/EN VAC 230/400 Rated insulation voltage AC (IEC) VAC 230/400 Rated operational voltage AC (UL) V 240 Rated operational voltage AC (UL) V 240 Rated operational voltage AC (UL) VDC 125 Rated frequency Hz 50/60 Rated frequency Hz 50/60 Rated operational voltage AC (UL) VDC 125 Rated frequency Hz 50/60 Rated foreguency KA 10 Short circuit rating (IEC) KA 10 Power dissipation per pole max W 2.46 Ambient conditions Vector +70 Operating temperature min °C - 40 *C Max altitude m 2000 Mechanical features Operating position	Product type designation			, ,
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Compliance IEC / UL489 Electrical features v 440 Rated insulation voltage Ui IEC/EN v 440 Rated insulation voltage AC (IEC) VAC 230/400 Rated operational voltage AC (UL) v 240 Rated operational voltage AC (UL) v 240 Rated operational voltage AC (UL) v 240 Rated frequency Hz 50/60 Rated frequency Hz 50/60 Rated requency KA 10 Short circuit rating (UL) KA 10 Short circuit rating (UL) KA 10 Perating temperature min °C -40 max °C +70 storage temperature min °C -40 Max altitude m				
Electrical features V 440 Rated insulation voltage Uimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (UL) V 240 Rated operational voltage AC (UL) V 240 Rated operational voltage AC (UL) V 240 Rated operational voltage DC VDC 125 Rated frequency Hz 50/60 Rated frequency Hz 50/60 Rated frequency KA 10 Short circuit rating (IEC) kA 10 Short circuit rating (UL) kA 10 Power dissipation per pole max W 2.46 Ambient conditions W 2.46 Mati attrude m 2000 Max attrude m 2000 Mechanical features min °C - 40 max °C + 70 35mm DIN r Storage temperature min °C - 400 Max attrude m 2000 Mechanical features 77.7 O				
Rated insulation voltage Ui IEC/EN V 440 Rated inpulse withstand voltage Uimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (UL) V 240 Rated current (In) A 35 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 2.46 Ambient conditions W 2.46 Operating temperature min °C +40 max °C +70 Storage temperature min °C +40 max °C +70 Max altitude max max °C +40 max 18 ma	•			
Rated impulse withstand voltage Ulimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (UL) V 240 Rated operational voltage DC VDC 125 Rated operational voltage DC VDC 125 Rated frequency Hz 50/60 Rated operational voltage DC VDC 125 Rated frequency Hz 50/60 Rated operational voltage DC VDC 125 Rated frequency Hz 50/60 Rated frequency A 35 Tripping curve D D Short circuit rating (IEC) kA 10 Power dissipation per pole max W 2.46 Ambient conditions V 2.46 Operating temperature min °C +40 max °C +40 max °C +40 Max altitude m 2000 Mechanical features Vertical plan Greating position inin Nm <td></td> <td></td> <td>V</td> <td>440</td>			V	440
Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (UL) V 240 Rated operational voltage DC VDC 125 Rated frequency Hz 50/60 Rated trequency HZ 50/60 Rated frequency HZ 50/60 Rated trequency HZ 50/60 Short circuit rating (IEC) kA 10 Short circuit rating (UL) kA 10 Electrical life crycles 10000 Power dissipation per pole max W 2.46 Ambient conditions W 2.46 Operating temperature min °C max °C +70 Storage temperature min °C Max altitude m 2000 Mechanical features min °C Operating position normal Vertical plan Fixing 35mm DIN r 18 Tightening torque for terminals min Nm IEC max </td <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td>kV</td> <td>4</td>	· · · · · · · · · · · · · · · · · · ·		kV	4
Rated operational voltage AC (UL) V 240 Rated operational voltage DC VDC 125 Rated operational voltage DC VDC 125 Rated current (In) A 35 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 2.46 Ambient conditions W 2.46 Operating temperature min °C -40 max °C +770 Storage temperature min °C -40 max °C +80 Max altitude m 2000 Mechanical features Operating position The conditions The conditions Tripting torque for terminals min Nm 1.8 max Nm 2 Max altitude max Nm 1.8 max Nm 1.8 max Nm 2 2 Conductor section Pz 2 2 <			VAC	230/400
Rated operational voltage DC VDC 125 Rated frequency Hz 50/60 Rated current (In) A 35 Tripping curve D D Short circuit rating (IEC) kA 10 Short circuit rating (UL) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 2.46 Ambient conditions W 2.46 Coperating temperature min °C Max altitude max °C Max altitude m 2000 Mechanical features min °C Operating position mormal Vertical plan Fixing normal Vertical plan Tightening torque for terminals min 18 Max Ibin 17.7 Terminals tool Pz 2 2 Conductor section IEC min max AWG/Kcmil min 14 max 6			V	240
Rated frequency Hz 50/60 Rated current (In) A 35 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 2.46 Ambient conditions W 2.46 Ambient conditions Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 max °C +80 Max altitude max °C -40 max °C +80 Mechanical features mormal Vertical plan Sismm DIN r. Tightening torque for terminals 35mm DIN r. Tightening torque for terminals min Nm 1.8 max Nm 2 Conductor section IEC min min max min 14 MaX (Kcmil min 14 max 6 14			VDC	125
Rated current (In) A 35 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 2.46 Ambient conditions W 2.46 Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 Max altitude m 2000 Mechanical features W 2.46 Max altitude m 2000 Max altitude max °C +40 Max altitude m 2000 Mechanical features W 2.46 Operating position min Nm 2.5 Min 1.8 Tightening torque for terminals min Nm 1.8 max Nm 2 Conductor section IEC min Ibin 16 max mm² 35 35<	· · · ·			
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 2.46 Ambient conditions W 2.46 Operating temperature min °C Storage temperature min °C Max altitude m 2000 Mechanical features min °C Operating position normal Vertical plan Fixing 35mm DIN r 35mm DIN r Tightening torque for terminals min Nm 1.8 max Nm 2 min 106 max Ibin 16 max Nm 2 Conductor section IEC min min min 17.7 Terminals tool P2 2 2 2 2 2 2 2 Conductor section IEC min min 14				
Short circuit rating (IEC) kA 10 Short circuit rating (UL) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 2.46 Ambient conditions W 2.46 Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 Max altitude m 2000 Max altitude m 2000 Mechanical features m 2000 Mechanical features 35mm DIN r Operating torque for terminals min 1.6 max Nm 2 Tightening torque for terminals min 1.6 max 1.6 max 1.6 Terminals tool Pz 2 Conductor section Pz 2 2				
Short circuit rating (UL) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 2.46 Ambient conditions W 2.46 Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 Max altitude m 2000 Mechanical features m 2000 Mechanical features mormal Vertical plan 35mm DIN r. Tightening torque for terminals min Nm 1.8 max Nm 2 min 16 max Ibin 16 max Ibin 17.7 Terminals tool Pz 2 Conductor section Pz 2 Conductor section 235 35 IEC min< mm²			kA	10
Electrical life cycles 10000 Power dissipation per pole max W 2.46 Ambient conditions min °C Operating temperature min °C Storage temperature min °C Max altitude m 2000 Mechanical features m 2000 Operating position normal Vertical plan Fixing 35mm DIN r. 35mm DIN r. Tightening torque for terminals min Nm 1.8 max Nm 2 min 16 Terminals tool Pz 2 Conductor section Pz 2 AWG/Kcmil min 14 max 6			kA	10
Power dissipation per pole max W 2.46 Ambient conditions min °C -40 Operating temperature min °C -40 Max °C +70 Storage temperature min °C -40 Max attitude m 2000 Mechanical features m 2000 Mechanical features m 2000 Mechanical features min Vertical plan Fixing 35mm DIN r. 35mm DIN r. Tightening torque for terminals min Nm 1.8 min Ibin 16 max Ibin 16. Conductor section IEC min min min min 14 Max min 14 max 6 6			cycles	10000
Ambient conditions Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 max °C +80 Max attitude m 2000 Mechanical features m 2000 Operating position normal Vertical plan Fixing 35mm DIN r. 35mm DIN r. Tightening torque for terminals min Nm 1.8 max Nm 1.8 max Nm 2 min Ibin 16 max Ibin 17.7 Terminals tool Pz 2 Conductor section Pz 2 Conductor section IEC min min mm² 1 Max min 14 max 6	Power dissipation per pole max			2.46
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Storage temperature min °C -40 max °C +80 Max attitude m 2000 Mechanical features m 2000 Operating position normal Vertical plan Fixing 35mm DIN re 35mm DIN re Tightening torque for terminals min Nm 1.8 min Nm 1.8 max Nm 2 Conductor section Pz 2 2		min	°C	-40
min °C -40 max °C +80 Max altitude m 2000 Mechanical features m 2000 Operating position normal Vertical plan Fixing 35mm DIN re 35mm DIN re Tightening torque for terminals min Nm 1.8 max Nm 2 min 16 max Ibin 16 max Ibin 17.7 Terminals tool Pz 2 Conductor section Pz 2 Conductor section IEC min mm 14 Max MG/Kcmil min 14 max 6		max	°C	+70
min °C -40 max °C +80 Max altitude m 2000 Mechanical features m 2000 Operating position normal Vertical plan Fixing 35mm DIN re 35mm DIN re Tightening torque for terminals min Nm 1.8 max Nm 2 min 16 max Ibin 16 max Nm 2 Conductor section IEC min min mm² 1 AWG/Kcmil min 14 max 6	Storage temperature			
Max altitude m 2000 Max altitude m 2000 Mechanical features Operating position normal Vertical plan Fixing 35mm DIN r. Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 Terminals tool Pz 2 Pz 2 Conductor section Pz 2 IEC min mm² 1 Max dWG/Kcmil min 14 max 6		min	°C	-40
Mechanical features Operating position normal Vertical plan Fixing 35mm DIN r. Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 max Ibin 17.7 7 Terminals tool Pz 2 2 Conductor section IEC min mm² 1 MWG/Kcmil min 14 max 6		max	°C	+80
normal Vertical plan Fixing 35mm DIN r. Tightening torque for terminals min Nm 1.8 min lbin 16 max lbin 17.7 Terminals tool Pz 2 Conductor section IEC AWG/Kcmil min mm² nin 14 max 6	Max altitude		m	2000
normal Vertical plan Fixing 35mm DIN r. Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 max Ibin 17.7 1.8 max Ibin 17.7 Terminals tool Pz 2 Conductor section Pz 2 2 IEC min mm² 35 AWG/Kcmil min 14 max 6	Mechanical features			
Fixing 35mm DIN r. Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 max Ibin 16 max Ibin 17.7 Terminals tool Pz 2	Operating position			
Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 max Ibin 16 max Ibin 17.7 Terminals tool Pz 2 Pz 2 Pz 2 Conductor section IEC min mm² 1 AWG/Kcmil min 14 max 6		normal		Vertical plan
min Nm 1.8 max Nm 2 min Ibin 16 max Ibin 17.7 Terminals tool Pz 2 Conductor section IEC IEC min mm² AWG/Kcmil min 14 max 6	Fixing			35mm DIN rail
max Nm 2 min Ibin 16 max Ibin 17.7 Terminals tool Pz 2 Conductor section IEC IEC min mm² Max mm² 1 Max mm² 35 AWG/Kcmil min 14 max 6	Tightening torque for terminals			
min Ibin 16 max Ibin 17.7 Terminals tool Pz 2 Conductor section IEC Min mm² 1 max mm² 35 AWG/Kcmil min 14 max 6		min	Nm	1.8
max Ibin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 AWG/Kcmil Min 14 max 6		max	Nm	2
Terminals tool Pz 2 Conductor section IEC		min	Ibin	16
Conductor section IEC min mm² 1 max mm² 35 AWG/Kcmil min 14 max 6		max	Ibin	17.7
IEC 	Terminals tool			Pz 2
min mm ² 1 max mm ² 35 AWG/Kcmil min 14 max 6	Conductor section			
max mm ² 35 AWG/Kcmil min 14 max 6	IEC			
AWG/Kcmil min 14 max 6		min	mm²	1
min 14 6		max	mm²	35
max 6	AWG/Kcmil			
		min		
Mechanical life cycles 20000		max		
	Mechanical life		cycles	20000

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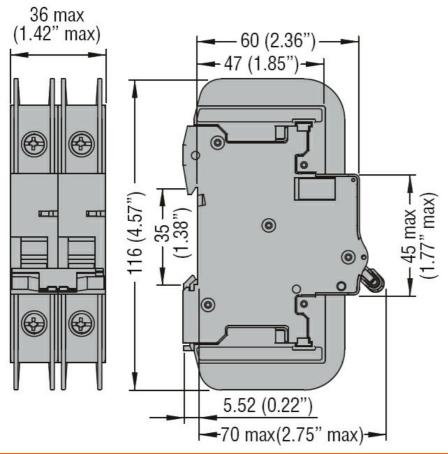


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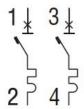
MINIATURE CIRCUIT BREAKER, 2P - 10KA. 2 MODULES, CHARACTERISTIC D, 35A

Weight	g	255
Frontal IP degree		IP20
Pollution degree		2
Dimensions		

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)		