



Product type designation Number of poles Number of poles Number of DIN modules Compliance Electrical features Rated insulation voltage UilEC/EN Rated operational voltage AC (IEC) VAC Rated operational voltage AC (UL) V Rated operational voltage AC (UL) V Rated operational voltage AC (UL) KA Rated operational voltage AC (UL) KA Rated operational voltage AC (UL) KA Tripping curve Short circuit rating (UL) KA Electrical life cycles Power dissipation per pole max W Ambient conditions Operating temperature min °C max °C Storage temperature min °C Max altitude max °C Conductor section IEC IEC Min MC/Acmit min MC Mechanical life Cycles	Miniature circuit breaker (MCB)			Product designation
Number of poles Number of DIN modules Compliance Electrical features Rated insulation voltage Ui IEC/EN Rated insulation voltage AC (IEC) VAC Rated operational voltage AC (UL) Rated current (In) Tripping curve Short circuit rating (IEC) Short circuit rating (UL) Electrical life Cycles Power dissipation per pole max Ambient conditions Operating temperature Max altitude Max altitude Tightening torque for terminals Tightening torque for terminals Terminals tool Conductor section IEC Max altitude Max mm ² AWG/Kcmil Max mm ² Max Max mm ² Cycles	P1 MB			Product type designation
Number of DIN modules Compliance Electrical features Rated insulation voltage Ui IEC/EN Rated inpulse withstand voltage Ump Rated operational voltage AC (IEC) Rated operational voltage AC (UL) Rated frequency Rated current (In) A Tripping curve Short circuit rating (IEC) KA Short circuit rating (UL) KA Short circuit rating (UL) KA Short circuit rating torpole max Ambient conditions Operating temperature min °C max °C Storage temperature min Mechanical features min Operating position normal Fixing min Tightening torque for terminals min Image: Conductor section IEC IEC min min Max min min Max min min Mechanical life cycles	3P			
Compliance Electrical features Rated insulation voltage Ui IEC/EN Rated insulation voltage Uin IEC/EN Rated inpulse withstand voltage Uinp Rated inpulse withstand voltage AC (IEC) Rated operational voltage AC (UL) Rated correct AC Rated operation Pole max Rechanical features IEC	3			
Electrical features V Rated insulation voltage Ui IEC/EN V Rated inpulse withstand voltage AC (IEC) VAC Rated operational voltage AC (IEC) VAC Rated operational voltage AC (UL) V Rated frequency Hz Rated operational voltage AC (IEC) VAC Rated operational voltage AC (UL) V Rated current (In) A Tripping curve Short circuit rating (IEC) kA Short circuit rating (UL) KA Short circuit rating (UL) KA Short circuit rating (UL) KA Operating temperature min °C (max °C) Max altitude min °C (max °C) Max altitude m Mechanical features min °C (max °C) Operating position normal Fixing min Nm max Nm min Ibin max Ibin Nm max Nm min Ibin max Ibin max Ibin max Ibin Max Mechanical features Conductor section IEC IEC min mm² max mm² Mechanical life XWG/Kcmil min mm² max mm² max Mm² min Ibin max I	IEC / UL489			
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Rated current (In) A Tripping curve Short circuit rating (IEC) kA Short circuit rating (UL) kA Electrical life cycles Power dissipation per pole max W Ambient conditions W Operating temperature min °C Storage temperature min °C Max altitude max °C Mechanical features min nmx Operating position normal Fixing Tightening torque for terminals min max Fixing Tightening torque for terminals min Image: Conductor section IEC min mm² AWG/Kcmil min max mm² AWG/Kcmil min max min	50/60	Hz		
Tripping curve kA Short circuit rating (IEC) kA Short circuit rating (UL) kA Electrical life cycles Power dissipation per pole max W Ambient conditions W Operating temperature min °C max Storage temperature min Max altitude m Mechanical features min Operating position normal Fixing normal Tightening torque for terminals min Terminals tool Conductor section IEC min mm² AWG/Kcmil min min Max min max	60			
Short circuit rating (IEC) kA Short circuit rating (UL) kA Electrical life cycles Power dissipation per pole max W Ambient conditions W Operating temperature min °C max Storage temperature min Max altitude m Mechanical features min Operating position normal Fixing min Tightening torque for terminals min Terminals tool min Conductor section IEC IEC min min Mechanical life cycles	D			
Short circuit rating (UL) kA Electrical life cycles Power dissipation per pole max W Ambient conditions W Operating temperature min °C max °C Storage temperature min °C Max altitude m Mechanical features Operating position normal min Fixing min normal Fixing min Nm Tightening torque for terminals min min Terminals tool IEC min mm² Conductor section IEC min mm² AWG/Kcmil min min min Mechanical life cycles cycles	10	kA		
Electrical life cycles Power dissipation per pole max W Ambient conditions W Operating temperature min °C max °C Storage temperature min °C Max altitude m Mechanical features Operating position normal min Fixing min normal Fixing min Nm Tightening torque for terminals min Nm Max altitude min max Ibin Terminals tool IEC min Conductor section IEC min min AWG/Kcmil min min min Mechanical life cycles Cycles	10			
Power dissipation per pole max W Ambient conditions W Operating temperature min °C Storage temperature min °C Max altitude min °C Max altitude m Mechanical features Operating position normal Fixing min Nm Tightening torque for terminals min Nm Terminals tool Conductor section IEC min mm² AWG/Kcmil min min mm² max Mm² Mechanical life cycles cycles Cycles Cycles	10000			
Ambient conditions Operating temperature min °C Storage temperature min °C Max altitude min °C Max altitude m Mechanical features Operating position normal Fixing min Nm Tightening torque for terminals min Nm max Nm min Ibin Terminals tool IEC min mm² AWG/Kcmil min min mm² Mechanical life cycles cycles	5.16	-		
Operating temperature min °C max °C Storage temperature min °C Max altitude min °C Max altitude m °C Mechanical features m Operating position normal Fixing min Nm Tightening torque for terminals min Nm max Nm min Ibin Terminals tool IEC min mm² AWG/Kcmil min mm² Mechanical life cycles toyles				<u> </u>
min °C max Storage temperature min min °C Max altitude m Mechanical features m Operating position normal Fixing min Tightening torque for terminals min min Nm max Nm min Ibin Terminals tool IEC Conductor section IEC Mechanical life min Mechanical life cycles				
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min °C max °C Max altitude m Mechanical features m Operating position normal Fixing min Tightening torque for terminals min min Nm max Nm min Ibin Terminals tool IEC Conductor section IEC Mechanical life min min max Mechanical life cycles	+70	°C		
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Max altitude m Mechanical features Operating position Fixing normal Fixing min Tightening torque for terminals min Max Nm max Nm min Ibin Terminals tool min Conductor section IEC AWG/Kcmil min min max Mechanical life cycles	-40	°C	min	
Mechanical features Operating position normal Fixing	+80	°C	max	
normal normal Fixing min Nm Tightening torque for terminals min Nm max Nm max Nm min lbin max lbin Terminals tool min mm² Conductor section IEC min mm² AWG/Kcmil min min max Mechanical life cycles tercles cycles	2000	m		Max altitude
normal Fixing min Nm Tightening torque for terminals min Nm max Nm max Nm min Ibin max Ibin Terminals tool Conductor section IEC min mm² AWG/Kcmil min mm² max mm² Mechanical life cycles type bet type bet				Mechanical features
Fixing Tightening torque for terminals min Nm max Nm min Ibin max Ibin Terminals tool IEC Conductor section IEC AWG/Kcmil min max mm² Mechanical life cycles				Operating position
Tightening torque for terminals min Nm max Nm min Ibin Terminals tool max Ibin Conductor section IEC min mm² Mechanical life cycles cycles	Vertical plan		normal	
min Nm max Nm min Ibin max Ibin Terminals tool Conductor section IEC IEC Mechanical life Mechanical life Cycles	35mm DIN rail			Fixing
max Nm min Ibin Terminals tool Ibin Conductor section IEC IEC min max mm² Max mm² AWG/Kcmil min Mechanical life cycles				Tightening torque for terminals
min Ibin Terminals tool Ibin Conductor section IEC IEC min min mm² AWG/Kcmil min Mechanical life cycles	1.8	Nm	min	
max Ibin Terminals tool IEC IEC min mm² AWG/Kcmil min mm² Mechanical life cycles	2	Nm	max	
Terminals tool Conductor section IEC min mm² max mm² AWG/Kcmil min max min max cycles	16	Ibin	min	
Conductor section IEC min mm² AWG/Kcmil min min max Mechanical life cycles	17.7	Ibin	max	
IEC min mm² max mm² AWG/Kcmil min min max Mechanical life cycles	Pz 2			Terminals tool
min mm² max mm² AWG/Kcmil min min max Mechanical life cycles				Conductor section
max mm² AWG/Kcmil min min max Mechanical life cycles				IEC
AWG/Kcmil min max	1		min	
Mechanical life cycles	35	mm²	max	
Mechanical life cycles				AWG/Kcmil
Mechanical life cycles	14		min	
	6		max	
	20000	cycles		
g	388	g		Weight

P1MBUL3PD60 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



P1MBUL3PD60 MINIATURE CIRCUIT BREAKER, 3P - 10KA. 3 MODULES, CHARACTERISTIC D, 60A

IP20

2

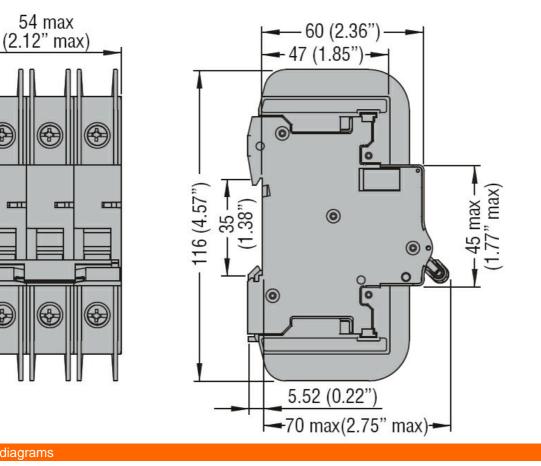
ENERGY AND AUTOMATION

Frontal IP degree

Pollution degree Dimensions [mm (in)]

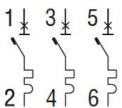
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H II



Wiring diagrams

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Certifications and compliance				
Compliance	compliance			
Compliance	IEC/EN 60947-2			
	UL489			
Certifications				
	cULus			
	EAC			
ETIM classificatio	n .			
ETIM 8.0		EC000042 - Miniature circuit		

breaker (MCB)