



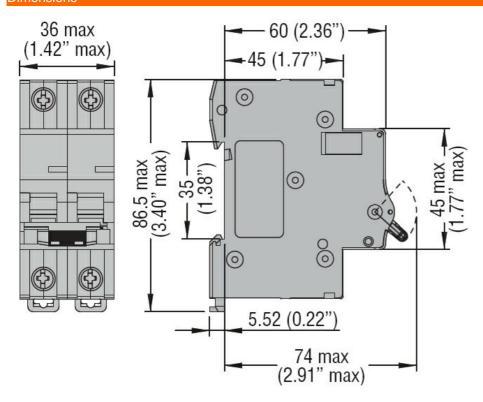
Product type designation Feature (Composition)				
Product type designation	Draduat designation			Miniature circuit
Number of poles 2P Number of DIN modules 2 Compliance 1EC / UL 1077 Electrical features 1EC / UL 1077 Rated insulation voltage Uil EC/EN V 440 Rated insulation voltage Uimp kV 4 Rated operational voltage DC VDC 30/400 Rated operational voltage DC VDC 80 Rated frequency A 6 Rated current (In) A 6 Tripping curve D No Short circuit rating (IEC) KA 10 Electrical life cycles 10000 Power dissipation per pole max A 6 Ambient conditions W 1,04 Operating temperature min °C 40 Max altitude m 2000 Mechanical features min Nm 1,8 Operating position min Nm 1,8 Fixing 35mm DIN rail 16 Fixing 35mm DIN rail 16	Product designation			breaker (MCB)
Number of DIN modules 2 Corpilance IEC / UL1077 Electrical features V 440 Rated insulation voltage UI IEC/EN VX 4 Rated inpulse withstand voltage UImp kV 4 Rated operational voltage AC (IEC) VDC 80 Rated operational voltage DC VDC 80 Rated frequency Lb 50/60 Rated current (In) A 6 Tripping curve LA 10 Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 1,04 Ambient conditions W 1,04 Operating temperature min °C -40 Max altitude min °C +70 Max altitude min vertical plan Fixing normal Vertical plan Tippining torque for terminals min Nm 1,8 min normal lin 1,8	Product type designation			P1 MB
Compliance IEC / UL1077 Electrical features ✓ 440 Rated inpulse withstand voltage Ulimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage DC VDC 80 Rated frequency Hz 50/60 Rated frequency A 6 Rated frequency B C Rated frequency KA 10 Rate out and the conditions C C Storage temperature T C 40 Max altitude	Number of poles			2P
Electrical features V 440 Rated insulation voltage Uimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage DC VDC 80 Rated doperational voltage BC Hz 50/60 Rated current (In) A 6 Tripping curve D D Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 1.04 Ambient conditions W 1.04 Operating temperature min °C -40 Max °C -40 max °C -40 Storage temperature min °C -40 max °C -40 Max altitude m 2000 w Mechanical features Text calculates Secure light Nm 1.8 Fixing min Nm 1.8 Nm 2 1.8 Fixing min <td< td=""><td>Number of DIN modules</td><td></td><td></td><td>2</td></td<>	Number of DIN modules			2
Rated insulation voltage Uir IEC/EN V 440 Rated impulse withstand voltage UImp RV 4 Rated operational voltage AC (IEC) VDC 230/400 Rated operational voltage DC VDC 80 Rated current (In) A 6 Rated current (In) A 6 Tripping curve D D Short circuit rating (IEC) KA 10 Electrical life cycles 10000 Power dissipation per pole max W 1.04 Ambient conditions W 1.04 Operating temperature min °C -40 max °C -40 max °C -40 max °C -40 max °C -40 max °C -40 max °C -40 max °C -40 max °C -40 max °C -40 max °C -40 max °C -40 max ** -40 **	Compliance			IEC / UL1077
Rated impulse withstand voltage Ulimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage DC VDC 80 Rated frequency Hz 50/60 Rated current (In) A 6 Tripping curve D D Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 1.04 Ambient conditions min °C -40 Operating temperature min °C -40 Max °C -40 -40 max °C -40 <td>Electrical features</td> <td></td> <td></td> <td></td>	Electrical features			
Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage DC VDC 80 Rated frequency Hz 50/60 Rated current (In) A 6 Tripping curve D D Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 1.04 Ambient conditions W 1.04 Operating temperature min °C -40 Max altitude m 2000 Mechanical features min °C -40 Operating position normal Vertical plan Vertical plan Fixing 35mm DIN rail 1 Tightening torque for terminals min Nm 1 Information for terminals min nm 2 Conductor section min nm 1 AWG/Kcmil min nm 1 AWG/Kcmil min nm 14	Rated insulation voltage Ui IEC/EN		V	440
Rated operational voltage DC VDC 80 Rated frequency Hz 50/60 Rated current (In) A 6 Tripping curve D No. Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 1.04 Ambient conditions W 1.04 Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 Max altitude m 2000 Mechanical features min 2000 Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min Nm 1.8 max Nm 2 conductor section min nm 1 AWG/Kcmil min max	Rated impulse withstand voltage Uimp		kV	4
Rated frequency Hz 50/60 Rated current (In) A 6 Tripping curve D D Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 1.04 Ambient conditions Total conditions Total conditions Operating temperature min °C -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40 -40	Rated operational voltage AC (IEC)		VAC	230/400
Rated current (in) A 6 Tripping curve D Short circuit rating (IEC) KA 10 Electrical life cycles 10000 Power dissipation per pole max W 1.04 Ambient conditions W 1.04 Operating temperature min °C -40 Max	Rated operational voltage DC		VDC	80
Tripping curve	Rated frequency		Hz	50/60
Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 1.04 Ambient conditions Operating temperature min ax °C -40 ax °C +70 Storage temperature min °C -40 ax °C +80 Max attitude m 2000 Mechanical features Operating position Fixing Tightening torque for terminals min ax Nm 2 amin lbin 16 ax Nm 2 amin lbin 16 ax Nm 2 bin 17.7 Terminals tool Terminals tool Conductor section IEC min mm² 1 ax mm² 35 AWG/Kcmil min mm² 14 ax max 6 Mechanical life cycles 20000	Rated current (In)		Α	6
Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 1.04 Ambient conditions Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 max °C +80 Max altitude min 2000 Mechanical features Operating position Fixing 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 Max altitude min mm² 1 max mm² 35 AWG/Kcmil min min mm² 14 max 6 Mechanical life cycles 20000	Tripping curve			D
Electrical life			kA	10
Ambient conditions			cycles	10000
Ambient conditions	Power dissipation per pole max		W	1.04
Min				
Max C +70	Operating temperature			
Storage temperature min max °C max -40 max °C max +80 max Moderance Mod		min	°C	-40
Max altitude min max °C +40 +80 Max altitude m 2000 Mechanical features Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min 1bin 16 max Nm 2 min 1bin 16 max 1bin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 mm² 1 max mm² 35 AWG/Kcmil min mm² 14 max 6 Mechanical life cycles 20000 Weight g 230		max	°C	+70
Max altitude min max °C +40 +80 Max altitude m 2000 Mechanical features Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min 1bin 16 max Nm 2 min 1bin 16 max 1bin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 mm² 1 max mm² 35 AWG/Kcmil min mm² 14 max 6 Mechanical life cycles 20000 Weight g 230	Storage temperature			
Max altitude m 2000 Mechanical features Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 min Nm 2 Terminals tool Pz 2 Conductor section IEC min mm² 1 AWG/Kcmil min min 14 min 14 max 6 Mechanical life cycles 20000 Weight g 230		min	°C	-40
Mechanical features Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm Nm 1.8 max Nm 2 mmx Nm 2 mmx lbin 16 max lbin 16 max lbin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 nm² 35 AWG/Kcmil min max max 6 Mechanical life cycles 20000 Weight g 230		max	°C	+80
Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm Nm 1.8 max Nm 2 min Ibin 16 max Ibin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 14 max mm² 35 AWG/Kcmil min min min mm² 14 max 6 Mechanical life cycles 20000 Weight g 230	Max altitude		m	2000
Fixing Journals Tightening torque for terminals min kmax Nm 1.8 max Nm 2 min kmax lbin kmax 16 max lbin kmax 17.7 Terminals tool Pz 2 Conductor section IEC min kmax 14 AWG/Kcmil min kmax 14 Mechanical life cycles 20000 Weight g 2300	Mechanical features			
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 Pz 2 IEC min mm² nm² 1 max mm² 35 AWG/Kcmil min max mm² 6 Mechanical life cycles 20000 Weight g 230	Operating position			
Tightening torque for terminals min max Nm max Nm		normal		Vertical plan
Mechanical life Min Nm 1.8 max Nm 2 min Ibin 16 max Ibin 17.7	Fixing			35mm DIN rail
Mechanical life Max Nm 2 min lbin 16 max lbin 17.7	Tightening torque for terminals			
Mechanical life min max lbin max lbi		min	Nm	1.8
Terminals tool		max	Nm	2
Terminals tool Pz 2		min	lbin	16
Conductor section IEC		max	lbin	17.7
IEC	Terminals tool			Pz 2
min mx mm² mx 1 mm² 35 AWG/Kcmil min mx 14 max Mechanical life cycles 20000 Weight g 230	Conductor section			
Mechanical life max mm² 35 Meight 14 6 Weight g 230	IEC			
AWG/Kcmil min max 14 max 6 Mechanical life cycles 20000 Weight g 230		min	mm²	
min max 14 max Mechanical life cycles 20000 Weight g 230		max	mm²	35
Mechanical life cycles 20000 Weight g 230	AWG/Kcmil			
Mechanical lifecycles20000Weightg230		min		
Weight g 230		max		
			cycles	
Frontal IP degree IP20			g	
	Frontal IP degree			IP20



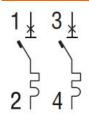
ENERGY AND AUTOMATION

Pollution degree		<u>_</u>
Grid distance as per Annex H.1 of IEC/EN60898-1 standard	mm	60

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n°235. UR "UL Recognized" per Canada e USA.

IEC/EN 60898-1 IEC/EN 60947-2

UL 1077

Certifications

cURus

EAC

TÜV-Rheinland

ETIM classification

ETIM 8.0

EC000042 -Miniature circuit breaker (MCB)