



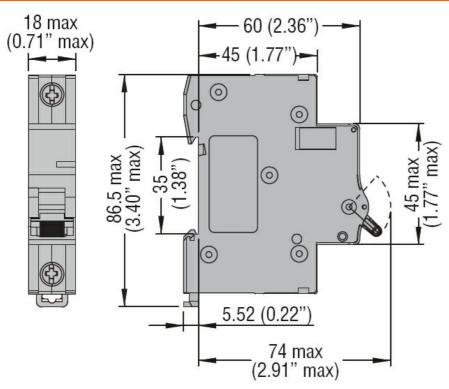
Product designation Formation of poles Miniature circuits breaker (MCS) Number of poles 1P 1MB Number of poles 1P 1 Number of poles 1P 1 Number of DIM modules 1EC / UL1077 1EC Electrical features V 440 Rated inputse withstand voltage Ulimp KV 230 Rated operational voltage AC (IEC) VDC 30 Rated operational voltage AC (IEC) VDC 80 Rated operational voltage DC VDC 80 Rated current (In) A 6 Tripping curve VDC 80 Rated current (In) A 6 Power dissipation per pole max W 1.04 Ambient conditions VDC 40 Operating temperature min °C 40 Max altitude min °C 40 Mochanical features min °C 40 Poperating position min min 1 7				
Product type designation	Draduat designation			Miniature circuit
Number of DiN modules 1 P Compliance 1 EC / UL 1077 Electrical features IEC / UL 1077 Rated insulation voltage Uil EC/EN V 440 Rated insulation voltage Uimp kV 4 Rated operational voltage DC VDC 80 Rated operational voltage DC VDC 80 Rated operational voltage DC L 50/60 Rated frequency A 6 Tripping curve C Short circuit rating (IEC) KA 10 Electrical life cycles Power dissipation per pole max W 1.04 Ambient conditions W 1.04 Operating temperature min °C 40 Max altitude m 2000 Mechanical features m 2000 Operating position mm 2000 Mechanical features mm 2000 Operating position mm 2000 Fixing 35mm DIN rail Tightening torque for terminals min 8mx N 2 min 10 in 16 mx 2 min 20 in 16 mx 2 min 3 in 16 mx 2	Product designation			breaker (MCB)
Number of DIN modules	Product type designation			P1 MB
Compliance Section S	Number of poles			1P
Electrical features V 440 Rated insulation voltage Uimp kV 4 Rated operational voltage LCC VAC 230 Rated operational voltage DC VDC 80 Rated operational voltage DC Hz 50/60 Rated current (In) A 6 Tripping curve C C 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 attitude m 2000 Mechanical features m 2000 Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 nm Terminals tool min Nm 1.8 max nm 2 2	Number of DIN modules			1
Rated insulation voltage Ui IEC/EN	Compliance			IEC / UL1077
Rated impulse withstand voltage Ulimp kV 4 Rated operational voltage AC (IEC) VAC 230 Rated operational voltage DC VDC 80 Rated frequency Hz 50/60 Rated current (In) A 6 Tripping curve C C 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 <	Electrical features			
Rated operational voltage AC (IEC) VAC 230 Rated operational voltage DC VDC 80 Rated frequency Hz 50/60 Rated current (In) A 6 Tripping curve C C 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 200 -40 Operating position normal Vertical plan 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 -40 max nm 2 -40 min nm 2 -40 max nm 2000 -40 max nm 20000 -40 max	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 C C 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 max °C +80 Mechanical features Operating position Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 Fixing min Nm 1.8 nm 1.8 Tightening torque for terminals min Inf 1.6 nm 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	Rated impulse withstand voltage Uimp		kV	4
Rated frequency Hz 50/60 Rated current (In) A 6 Tripping curve C C 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 Storage temperature min °C -40 Max altitude min 2000 Mechanical features min 2000 Operating position normal Vertical plan Fixing s5mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 2 min 1bin 16 15 Terminals tool min min 10 17 Terminals tool min min 10 17 Terminals tool min min 10 17	Rated operational voltage AC (IEC)		VAC	230
Rated current (in) A 6 Tripping curve C 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 m 2000 Mechanical features striction yertical plan Fixing 35mm DIN rail Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 2 Conductor section min nm 2 IEC min mm 2 Conductor section min mm 1 AWG/Kcmil min min min min min <t< td=""><td>Rated operational voltage DC</td><td></td><td>VDC</td><td>80</td></t<>	Rated operational voltage DC		VDC	80
Tripping curve C Short circuit rating (IEC) kA 10 Electrical life cycles 100000 Power dissipation per pole max w 1.04 Ambient conditions min °C -40 Operating temperature min °C -40 Max a cc +80 max °C -40 Max altitude m 2000 2000 Mechanical features normal Vertical plan Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 Fixing min lbin 17.7 1.8 Tightening torque for terminals min lbin 17.7 Terminals tool pz 2 2 Conductor section min mm² 1 IEC min mm² 1 AWG/Kcmil min min min min 14 Mechanical life cycle 20000	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 °C -40 max °C +70 Storage temperature min °C -40 max °C +80 Max altitude min 2000 Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 max Nm 2 max Nm 2 min 16 max Nm 17.7 Terminals tool rerminals tool Pz 2 Conductor section IEC Max mm² 35 AWG/Kcmil Mechanical life cycles 20000 Weight g 115	Rated current (In)		Α	
Electrical life	Tripping curve			С
Power dissipation per pole max	Short circuit rating (IEC)		kA	10
Ambient conditions	Electrical life		cycles	10000
Operating temperature min max °C valous valou	Power dissipation per pole max		W	1.04
Min	Ambient conditions			
Max C +70	Operating temperature			
Storage temperature min max °C max -40 max °C max +80 max Moderation		min	°C	-40
Max altitude min max °C +80 Max altitude m 2000 Mechanical features Operating position Fixing Journal of Normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min 10 lbin 16 max Nm 2 min 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 mm² 35 AWG/Kcmil min min 14 max 6 Mechanical life cycles 20000 Weight g 115		max	°C	+70
Max altitude max °C +80 Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min lbin 17.7 Terminals tool Pz 2 Conductor section Pz 2 Conductor section min mm² 1 AWG/Kcmil min mm² 35 AWG/Kcmil min 14 max 6 Mechanical life cycles 20000 Weight g 115	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 14 max min		min	°C	-40
Mechanical features Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm Nm 1.8 max Nm 2 mm 2 lbin 16 max lbin 16 max lbin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 nm² 1 nm² 35 AWG/Kcmil min max mm² 35 AWG/Kcmil min max 14 nmax 6 Mechanical life cycles 20000 Weight g 115		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 1 and max mm² 35 AWG/Kcmil min min min mm² 14 max 6 Mechanical life cycles 20000 Weight g 115	Max altitude		m	2000
Fixing Journals Tightening torque for terminals min kmax Nm 1.8 max Nm 2 min kmin lbin 16 max lbin 17.7 Terminals tool Pz 2 Conductor section IEC min kmax 14 AWG/Kcmil min kmax 14 Mechanical life cycles 20000 Weight g 115	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 115	Operating position			
Tightening torque for terminals		normal		Vertical plan
Mechanical life Min Nm 1.8 max Nm 2 min lbin 16 max lbin 17.7 Terminals tool Pz 2 Terminals tool Pz 2 Terminals tool Pz 2 Terminals tool Terminals tool Terminals tool Terminals tool Pz 2 Terminals tool Terminals tool Terminals tool Terminals tool Pz 2 Terminals tool Terminals tool	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 16 max lbin 17.7		min	Nm	1.8
Terminals tool		max	Nm	2
Terminals tool Pz 2		min	lbin	16
Conductor section IEC		max	lbin	17.7
Fig. 1 Fig. 2 F	Terminals tool			Pz 2
Mechanical life min mx mm² mm² mm² mm² 35 Mechanical life cycles 20000 Weight g 115	Conductor section			
AWG/Kcmil max mm² 35 min max 14 max 6 Mechanical life cycles 20000 Weight g 115	IEC			
AWG/Kcmil min max 14 max 6 Mechanical life cycles 20000 Weight g 115		min	mm²	
min max 14 max Mechanical life cycles 20000 Weight g 115		max	mm²	35
Mechanical life max 6 Weight cycles 20000 g 115	AWG/Kcmil			
Mechanical lifecycles20000Weightg115		min		
Weight g 115		max		
·	Mechanical life		cycles	
Frontal IP degree IP20			g	
	Frontal IP degree			IP20



Pollution degree

2

Dimensions [mm (in)]



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)