



Product type designation Final intersection breaker (MCR) Product type designation 1 4 Number of poles 4 4 Number of poles 1 4 Number of DIN modules 1 4 Compliance IEC / UL1077 Electrical features V 440 Rated insulation voltage UII EC/EN V 40 Rated insulation voltage UIImp KV 2 50/60 Rated of requency Hz 50/60 Rated frequency RA 6 Rated frequency KA 10 Power dissipation per pole max KA 10 Storage temperature Ma KC 40				
Product type designation	Draduat designation			Miniature circuit
Number of poles 4P Number of DIN modules 4P Compliance IEC / UL 1077 Electrical features IEC / UL 1077 Rated insulation voltage Uil EC/EN V 440 Rated insulation voltage Uimp kV 4 Rated operational voltage C(IEC) VAC 230/400 Rated drequency Hz 50/60 Rated frequency KA 10 Rated frequency KA 10 Electrical life c 10000 Short circuit rating (IEC) KA 10 Electrical life c 10000 Power dissipation per pole max M 1,04 Ambient conditions min °C -40 Operating temperature min °C -40 Max °C -40 -40 Max altitude min °C -40 Mechanical features vertical plan -7 -80 Fixing normal vertical plan -7 -80	Product designation			breaker (MCB)
Number of DIN modules	Product type designation			P1 MB
Compliance IEC / UL1077 Electrical features x 440 Rated insulation voltage Uline (IEC) xV 4 Rated operational voltage AC (IEC) xVAC 230/400 Rated operational voltage AC (IEC) xVAC 200/60 Rated current (In) A 6 Tripping curve x 10 Short circuit rating (IEC) x 10 Electrical life xycles 10000 Power dissipation per pole max x 10 Ambient conditions x 10 Operating temperature min °C 40 Max altitude m 2000 Mechanical features min °C 40 Operating position morrial vertical plan Fixing morrial vertical plan Fixing morrial Nm 1.8 Mechanical features min Nm 1.8 Operating position min Nm 1.8 Fixing nm	Number of poles			4P
Electrical features Rated insulation voltage Uir IEC/EN V 440 Rated insulation voltage Uimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (IEC) VAC 230/400 Rated correction Hz 50/60 Rated correction A 6 Tripping curve C C Short circuit rating (IEC) kA 10 Power dissipation per pole max W 1.04 Ambient conditions Operating temperature min °C -40 max °C -40	Number of DIN modules			4
Rated insulation voltage Uir IEC/EN V 440 Rated impulse withstand voltage Uirp kV 230/400 Rated operational voltage AC (IEC) VAC 230/400 Rated frequency I+z 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 °C -40 Operating position mormal Vertical plan Vertical plan Fixing 35mm DIN rail 18 Fixing 35mm DIN rail 16 Fixing 100 10 10 Fixing 100 10 10 10 Fixing 10 10 10 10 10<	Compliance			IEC / UL1077
Rated impulse withstand voltage Limp kV 4 Rated operational voltage AC (IEC) VAC 230/400 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 Storage temperature min °C -40 Max altitude max °C +80 Mechanical features max °C -40 Operating position normal Vertical plan Fixing 35mm DIN rail Fixing min Nm 1.8 max Nm 2 min Inin 1.8 max Nm 2 min 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Electrical features			
Rated operational voltage AC (IEC) VAC 230/400 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 m 2000 Mechanical features m 2000 Operating position normal Vertical plan Fixing normal Vertical plan Tightening torque for terminals min lim 1.8 max Nm 2 1.8 max lbin 1.7 1.7 Terminals tool min min min min min min min	Rated insulation voltage Ui IEC/EN		V	440
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 max °C -40 Max altitude m 2000 2000 -40 max °C -40 <t< td=""><td>Rated impulse withstand voltage Uimp</td><td></td><td>kV</td><td>4</td></t<>	Rated impulse withstand voltage Uimp		kV	4
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 Operating temperature min °C -40 max °C +70 Storage temperature Max altitude min °C -40 Mechanical features min 2000 -2000 Mechanical features mormal Vertical plan Fixing normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 -2 Conductor section IEC min mm 1 AWG/Kcmil min mm 14 max mm 1 AWG/Kcmil min max mm mm mm mm <td>Rated operational voltage AC (IEC)</td> <td></td> <td>VAC</td> <td>230/400</td>	Rated operational voltage AC (IEC)		VAC	230/400
Tripping curve C 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 +70 Storage temperature min °C -40 Max altitude m 2000 Mechanical features w 2000 Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min 16 max Nm 2 2 Terminals tool min 10 1.7.7 Terminals tool min 10 1.7.7 Terminals tool min 10 1.7.7 AWG/Kcmil min 10 1.7.7 AWG/Kcmil min </td <td>Rated frequency</td> <td></td> <td>Hz</td> <td>50/60</td>	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 normal "Vertical plan Max altitude m normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm Nm 1.8 max Nm 2 max Nm 2 max Nm 2 min lbin 16 max lbin 17.7 Terminals tool p 2 2 Conductor section IEC min mx mm² mm² 1 mm² 35 AWG/Kcmil min mm² mm² 14 max mm² 35 AWG/Kcmil min	Rated current (In)		Α	6
Short circuit rating (IEC) kA 10 Electrical life cycles 100000 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 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 mmx Nm 2 mmx Nm 2 min lbin 16 max lbin 17.7 Terminals tool p 2 2 Conductor section min mmx nm² 1 mm² 35 IEC min mm² mm² 1 mm² 35 AWG/Kcmil min mm² 14 max mm² 35 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20	Tripping curve			С
Electrical life cycles 10000 Power dissipation per pole max W 1.04 Amblent conditions Storage temperature min oran °C 40 40 40 40 40 40 40 40 40 40 40 40 40			kA	10
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 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 max			cycles	10000
Ambient conditions	Power dissipation per pole max			1.04
Minimax C 40 max C 470 max C 480 max C 4				
Max °C +70 Storage temperature min °C -40 Max altitude mox °C +80 Mechanical features Operating position Fixing normal Vertical plan 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 min mm² 1 AWG/Kcmil min mm² 35 AWG/Kcmil min min 14 max c 6 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20	Operating temperature			
Storage temperature		min	°C	-40
Max altitude min max °C +80 Max altitude m 2000 Mechanical features normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min mm Nm Nm 1.8 max 18 max min max Nm 2 mm 2 min max Conductor section p 2 2 EC Mechanical tool min mm² mm² 1 mm² 1 mm² 35 AWG/Kcmil min max 14 max Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20		max	°C	+70
Max altitude min max °C +80 Max altitude m 2000 Mechanical features normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min mm Nm Nm 1.8 max 18 max min max Nm 2 mm 2 min max Conductor section p 2 2 EC Mechanical tool min mm² mm² 1 mm² 1 mm² 35 AWG/Kcmil min max 14 max Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20	Storage temperature			
Max altitude m 2000 Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 1 min lbin 16 17.7 Terminals tool Pz 2 Conductor section FEC min mm² 1		min	°C	-40
Mechanical features Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm Nm 1.8 max Nm 2 max Nm 2 max Nm 2 max Nm 15in 16 max 15in 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 amax mm² 35 AWG/Kcmil min max 14 max 6 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20		max	°C	+80
Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm Nm 1.8 max Nm 2 max Nm 2 min lbin 16 max lbin 17.7 Terminals tool Pz 2 Conductor section IEC min mm mm² 1 nm² 35 AWG/Kcmil min max mm² 35 AWG/Kcmil min max 14 max 6 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20	Max altitude		m	2000
Fixing 35mm DIN rail Tightening torque for terminals min Mm	Mechanical features			
Fixing 35mm DIN rail Tightening torque for terminals min max Nm 1.8 max Nm 2 min lbin 16 max lbin 17.7 Terminals tool Pz 2 Conductor section min max mm² 1 max mm² 35 AWG/Kcmil min max mm² 56 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20	Operating position			
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 min mm² 1 mm² 35 AWG/Kcmil min max mm² 35 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20		normal		Vertical plan
Mechanical life Max Mm 1.8 max Nm 2 min lbin 16 max lbin 17.7 Terminals tool Pz 2 Terminals tool Pz 2 Terminals Terminals	Fixing			35mm DIN rail
Max Nm 2 min Ibin 16 max Ibin 17.7	Tightening torque for terminals			
min min min mm² lbin 16 max lbin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 mm² 35 AWG/Kcmil min max 14 max 6 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20		min	Nm	1.8
Terminals tool		max	Nm	2
Terminals tool		min	Ibin	16
Conductor section IEC min mm² 1 max mm² 35		max	Ibin	17.7
IEC	Terminals tool			Pz 2
Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20	Conductor section			
AWG/Kcmil max mm² 35 min max 14 6 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20	IEC			
AWG/Kcmil min max 14 max 6 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20		min		
min max 14 max Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20		max	mm²	35
Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20	AWG/Kcmil			
Mechanical lifecycles20000Weightg460Frontal IP degreeIP20				
Weight g 460 Frontal IP degree IP20		max		
Frontal IP degree IP20			cycles	
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	Pollution degree			2

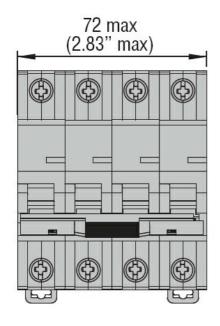


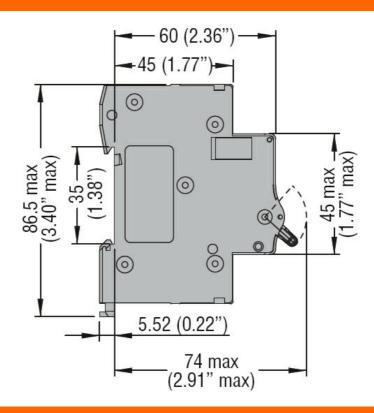
ENERGY AND AUTOMATION

Grid distance as per Annex H.1 of IEC/EN60898-1 standard

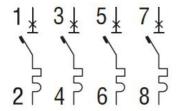
mm 60

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)