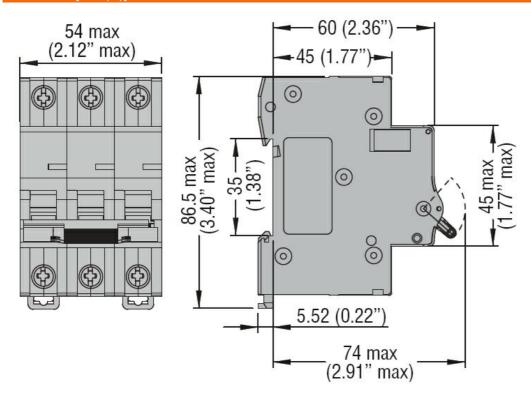




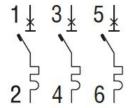
Product designation Final mature circuit breaker (MCR) breaker (MCR) Product type designation 9P 1 MB Number of poles 3P Number of poles of poles 3P Number of pDIM modules 3 Compliance IEC / UL1077 Electrical features V 440 Rated insulation voltage UII EC/EN V 20/400 Rated impulse withstand voltage UIImp kV 4 Rated originational voltage AC (IEC) VAC 230/400 Rated frequency Hz 50/60 Rated frequency L C Rated frequency L C Rated frequency L C Rated current (In) L C Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 3.84 Amiliant registration per pole max R C -40 Amiliant registration per pole max R C -40 Broad table (Inclusion per pole max<				
Product type designation	Draduat designation			Miniature circuit
Number of DIN modules 3P Number of DIN modules 3R Compliance 1EC / UL1077 Electrical features **** Rated insulation voltage Uirpe kV 440 Rated operational voltage Uirpe kV 230/400 Rated frequency **** L*** 50/60 Rated frequency L*** C Short circuit rating (IEC) kA 10 Electrical life cycles** 10000 Power dissipation per pole max kA 10 Power dissipation per pole max w 3.84 Ambient conditions w 3.84 Operating temperature min ***C** 40 Max altitude m 20 40 Mechanical features w 2000 Mechanical features y 2000 Mechanical features y 2000 Mechanical features y 2000 Fixing n 18 2 Fixing n 18 <	Product designation			breaker (MCB)
Number of DIN modules 3 Compliance IEC / UL 1077 Electrical features V 440 Rated insulation voltage Ui IEC/EN V 440 Rated insulation voltage Uirip KV 40 Rated operational voltage AC (IEC) VAC 230/400 Rated frequency Hz 50/60 Rated frequency LC Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 50/60 Ambient conditions W 70/60 Storage temperature Image: Image of temperature Image: Image of the Policy of the	Product type designation			P1 MB
Compliance IECT/LIO77 Electrical features ✓ 440 Rated insulation voltage Uir IEC/EN × V 4 Rated impulse withstand voltage Uirip kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated doperational voltage AC (IEC) HZ 50/60 Rated current (In) A 40 Tripping curve KA 10 Electrical life vcls 10000 Power dissipation per pole max w 3.84 Ambient conditions w 3.84 Operating temperature min °C 40 Max altitude m 2000 Mechanical features m 2000 Operating position monmal vertical plan Fixing m v	Number of poles			3P
Electrical features V 440 Rated insulation voltage Uinpp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated degrational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (IEC) HZ 50/60 Rated current (In) A 40 Tripping curve C C Short circuit rating (IEC) kA 10 Power dissipation per pole max W 3.84 Ambient conditions Operating temperature min °C -40 max °C +70 Storage temperature Min °C -40 max °C +80 Mechanical features Operating position Mechanical features Operating position In min Nm 1.8 To max Nm 2 To max Nm 2 <	Number of DIN modules			3
Electrical features V 440 Rated insulation voltage Uinpp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated degrational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (IEC) HZ 50/60 Rated current (In) A 40 Tripping curve C C Short circuit rating (IEC) kA 10 Power dissipation per pole max W 3.84 Ambient conditions Operating temperature min °C -40 max °C +70 Storage temperature Min °C -40 max °C +80 Mechanical features Operating position Mechanical features Operating position In min Nm 1.8 To max Nm 2 To max Nm 2 <	Compliance			IEC / UL1077
Rated impulse withstand voltage LUImp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated drequency Hz 50/60 Rated current (In) A 40 Tripping curve C C Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 3.84 Ambient conditions W 3.84 Operating temperature min °C -40 Storage temperature min °C -40 Max altitude m 2000 Mechanical features m 2000 Operating position mormal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 2 Ecc min nm 2 Conductor section min mm 1 AWG/Kcmil min mm	-			
Rated impulse withstand voltage LUImp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated drequency Hz 50/60 Rated current (In) A 40 Tripping curve C C Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 3.84 Ambient conditions W 3.84 Operating temperature min °C -40 Storage temperature min °C -40 Max altitude m 2000 Mechanical features m 2000 Operating position mormal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 2 Ecc min nm 2 Conductor section min mm 1 AWG/Kcmil min mm	Rated insulation voltage Ui IEC/EN		V	440
Rated operational voltage AC (IEC) VAC 230/400 Rated frequency Hz 50/60 Rated current (In) A 40 Tripping curve C C Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 3.84 Ambient conditions W 3.84 Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 Max altitude m 2000 Mechanical features min °C -40 Operating position normal vertical plan Fixing normal vertical plan Tightening torque for terminals min Nm 1.8 max Nm 2 1.0 Tightening torque for terminals min Nm 1.8 max nm 2 2 Conductor section			kV	4
Rated frequency Hz 50/60 Rated current (In)			VAC	230/400
Rated current (In) A 40 Tripping curve C Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 3.84 Ambient conditions Operating temperature min °C -40 max max max max				
Tripping curve C Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 3.84 Ambient conditions Image: Comparity of the conditions of th				
Short circuit rating (IEC) KA 10 Electrical life cycles 10000 Power dissipation per pole max W 3.84 Ambient conditions Operating temperature min of conditions				
Electrical life			kA	
Power dissipation per pole max				
Ambient conditions				
Operating temperature min max °C value of			• • • • • • • • • • • • • • • • • • • •	0.04
Min				
max °C +70 Storage temperature min °C -40 max °C +80 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 1.0 min lbin 16 16 max lbin 17.7 16 Terminals tool pz 2 2 Conductor section min mm² 1 IEC min mm² 35 AWG/Kcmil min min min 14 max min 6 6 Mechanical life cycles 20000 Weight g 340 Frontal IP degree IP20	Operating temperature	min	°C	-40
Storage temperature				
Max altitude min max °C +80 Mechanical features m 2000 Mechanical features Nograting position normal Vertical plan Fixing normal Vertical plan Tightening torque for terminals min min min min lbin 18 18 max Nm 2 min lbin 16 16 17.7 Terminals tool pz 2 Conductor section Pz 2 Conductor section min mm² mm² 1 mm² 35 AWG/Kcmil min mm² 14 max 6 Mechanical life cycles 20000 Weight g 340 Frontal IP degree IP20	Storage temperature	IIIdx		+10
Max altitude max °C +80 Mechanical features Operating position Fixing normal Vertical plan 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 IEC min mm² 1 AWG/Kcmil min min 14 AWG/Kcmil min 14 Mechanical life cycles 20000 Weight g 340 Frontal IP degree IP20	Storage temperature	min	°C	40
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 nmin lbin 16 max lbin 17.7 17.7 1.0				
Mechanical features Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm Nm 1.8 max Nm 2 mmx Nm 2 mmx Nm 2 mmx 1bin 16 max 1bin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 nm² 1 nmx mm² 35 AWG/Kcmil min mm² 14 max 6 Mechanical life cycles 20000 Weight g 340 Frontal IP degree IP20	May altituda	IIIdX		
Operating position normal Vertical plan 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 IEC min mm² 1 AWG/Kcmil min mm² 35 AWG/Kcmil min 14 4 Mechanical life cycles 20000 Weight g 340 Frontal IP degree IP20			111	2000
Fixing 35mm DIN rail Tightening torque for terminals min max				
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 min mm² mm² 1 max mm² 35 AWG/Kcmil min max mm² 35 Mechanical life cycles 20000 Weight g 340 Frontal IP degree IP20	Operating position	normal		Vertical plan
Tightening torque for terminals min Nm 1.8 max Nm 2 min Ibin 16 max Ibin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 mm² 35 AWG/Kcmil min mm² 14 max 6 Mechanical life cycles 20000 Weight g 340 Frontal IP degree IP20	Finding a	HOIIIIai		
Min Nm 1.8 max Nm 2 min Ibin 16 max Ibin 17.7				35mm Din raii
Max Nm 2 min 1bin 16 max 1bin 17.7	rightening torque for terminais		Nima	4.0
min min max Ibin 16 max 16 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 340 340 Frontal IP degree IP20				
Terminals tool				
Terminals tool				
Conductor section IEC min mm² 1 max mm² 35	Townsingle tool	max	IDIN	
Frontal IP degree IEC				PZ Z
Mechanical life cycles 20000 Weight g 340 Frontal IP degree IP20				
AWG/Kcmil max mm² 35 min max 14 6 Mechanical life cycles 20000 Weight g 340 Frontal IP degree IP20	IEC			4
AWG/Kcmil min max 14 max 6 Mechanical life cycles 20000 Weight g 340 Frontal IP degree IP20				
min max 14 max 6 Mechanical life cycles 20000 Weight g 340 Frontal IP degree IP20	A)A(O,0)	max	mm²	35
Mechanical life cycles 20000 Weight g 340 Frontal IP degree IP20	AWG/Kcmil			4.4
Mechanical lifecycles20000Weightg340Frontal IP degreeIP20				
Weight g 340 Frontal IP degree IP20		max		
Frontal IP degree IP20				
			g	
Pollution degree 2				
	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)