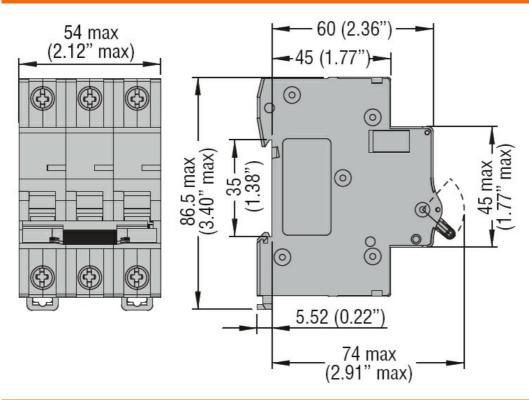




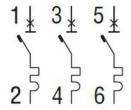
Product designation ✓ Miniature circuit breaker (MCR) Product type designation ✓ 1 M8 Number of poles 3P Number of poles 3P Number of DIN modules 3 (a) Compliance IEC / UL1077 Electrical features V 440 Rated insulation voltage UI IEC/EN V 2 (a) 200 Rated insulation voltage AC (IEC) VXC 230/400 Rated obgrational voltage AC (IEC) KA 10 Rated current (In) C C Short circuit rating (IEC) KA 10 Electrical life cycles 1000 Power dissipation per pole max W 2,13 Ambient conditions W 2,13 Oreating temperature min °C 40 Max altitude m 200 Max altitude m 200 Mechanical features min °C 40 Fixing normal in 1,2 Fixing in 1,2				0 1 0
Product ossignation				Miniature circuit
Product type designation 91 MB Number of poles 38 Compliance 1EC / Ut.1077 Electrical features V 440 Rated insulation voltage Ui IEC/EN V 40 Rated insulation voltage Uirpe kV 200400 Rated frequency Hz 50/60 Rated frequency A 25 Rated current (In) A 25 Tripping curve C 0 Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 213 Ambient conditions W 213 Operating temperature min °C -40 Max altitude min °C -40 Max altitude min °C -40 Mechanical features moral vertical plan Fixing simm DiN rail 1 Fixing min Nm 1.8 max Nm 2	Product designation			
Number of Doles 3P Number of DIN modules 3 Compliance IEC / UL 1077 Electrical features V 440 Rated insulation voltage Ui IEC/EN V 440 Rated insulation voltage Uimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated frequency I-2 50/60 Rated frequency L-2 C Short circuit rating (IEC) L-A 10 Electrical life w 2.13 Ambient conditions W 2.13 Operating temperature min °C -40 Mean °C -40 -40 Mechanical features C -40 -40	Product type designation			, ,
Number of DIN modules 3 Compliance LEC / UL1077 Electrical features V 440 Rated insulation voltage Uir IEC/EN NZ 200 Rated inpulse withstand voltage Uirip kZ 200400 Rated frequency Hz 50/60 Rated frequency Rated current (In) A 25 Rated current (In) kA 10 Poperating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 2 24 Ambient conditions w 2 40 Power dissipation per pole max min °C 40 Ambient conditions min °C 40 Storage temperature min °C 40 Max altitude m 0 0 40 Mechanical features min norm 2 40 Fixing min norm 18 18 18 18 18 18				3P
Electrical features Rated insulation voltage Ui IEC/EN V 440 Rated insulation voltage Withstand voltage Uimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (IEC) VAC 230/400 Rated current (In) A 25 Tripping curve C C Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 2.13 Ambient conditions Operating temperature min °C -40 min °C -40 max °C +70 Storage temperature min °C -40 max °C <td>·</td> <td></td> <td></td> <td></td>	·			
Electrical features 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 operational voltage AC (IEC) LZ 50/60 Rated current (In) A 25 Tripping curve C C Short circuit rating (IEC) kA 10 Power dissipation per pole max W 2.13 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 mormal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Ibin 16 max Ibin 17.7 Terminals tool p. 2.2 Conductor section				
Rated impulse withstand voltage LOIMP kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated drequency Hz 50/60 Rated current (In) A 25 Tripping curve C C Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 2.13 Ambient conditions W 2.13 Operating temperature min °C -40 Storage temperature min °C -40 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 2 Terminals tool min nm 1,0 EC min mm 1,0 AWG/Kcmil min m				
Rated impulse withstand voltage LOIMP kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated dreupency Hz 50/60 Rated current (In) A 25 Tripping curve C C Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 2.13 Ambient conditions W 2.13 Operating temperature min °C -40 Storage temperature min °C -40 Max altitude m 2000 Mechanical features m 2000 Operating position m Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1,8 max Nm 2 2 Terminals tool min nm 1,0 EC min mm 1,0 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 25 Tripping curve C C Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 2.13 Ambient conditions W 2.13 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 35mm DIN rail 10 Tightening torque for terminals min Nm 1.8 max Nm 2 1.7 Terminals tool pz 2 2 Conductor section min mm mm mm mm 1.7 1.7			kV	4
Rated frequency Hz 50/60 Rated current (In) A 25 Tripping curve C C Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 2.13 Ambient conditions W 2.13 Operating temperature min °C -40 Max a littude max °C -40 Mechanical features min °C -40 Operating position mormal Vertical plan 35mm DIN rail Fixing normal Vertical plan 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 2 min lbin 1.6 1.7 Terminals tool max min min <t< td=""><td></td><td></td><td>VAC</td><td>230/400</td></t<>			VAC	230/400
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Tripping curve C Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 2.13 Ambient conditions Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 Max altitude m 2000 Mechanical features mormal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min 1bin 17.7 Terminals tool min 1bin 17.7				
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Min min max				
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 min lbin 16 max lbin 17.7 Terminals tool pz 2 Conductor section IEC min mm² 1 AWG/Kcmil min mm² 14 max mm² 35 Mechanical life cycles 20000 Weight g 345 Frontal IP degree IP20	Operating temperature	min	°C	-40
Storage temperature				
Max altitude min max °C +80 Mechanical features m 2000 Mechanical features normal Vertical plan 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 P2 2 Conductor section IEC min mm² nm² 1 max mm² 35 AWG/Kcmil Mechanical life cycles 20000 Mechanical life cycles 20000 Weight g 345 Frontal IP degree IP20	Storage temperature	max		170
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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 2 min lbin 17.7 Terminals tool Pz 2 Conductor section Ferminals tool min mm² 1 AWG/Kcmil min mm² 1 AWG/Kcmil min mm² 1 Mechanical life cycles 20000 Weight g 345 Frontal IP degree IP20				
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Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm 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 AWG/Kcmil min max 6 Mechanical life cycles 20000 Weight g 345 Frontal IP degree IP20			111	2000
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 nm² 1 nm² 14 max mm² 35 AWG/Kcmil min min mm² 14 max 6 Mechanical life cycles 20000 Weight g 345 Frontal IP degree IP20				
Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max Nm 2 min 1bin 16 max 1bin 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 345 Frontal IP degree IP20	Operating position	normal		Vertical plan
Tightening torque for terminals min Nm 1.8 max Nm 2 min lbin 16 max lbin 17.7	Eiving	Homiai		
Mechanical life Mechanical life Mechanical IP degree Mechanical IFC Min				John Din Tall
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Terminals tool		_		
Terminals tool				
IEC	Terminals tool	IIIax	IDIII	
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AWG/Kcmil max mm² 35 min max 14 6 Mechanical life cycles 20000 Weight g 345 Frontal IP degree IP20				
AWG/Kcmil min max 14 max 6 Mechanical life cycles 20000 Weight g 345 Frontal IP degree IP20		min	mm²	1
min max 14 max Mechanical life cycles 20000 Weight g 345 Frontal IP degree IP20				
Mechanical life cycles 20000 Weight g 345 Frontal IP degree IP20	IEC			
Mechanical life cycles 20000 Weight g 345 Frontal IP degree IP20	IEC	max		35
Weight g 345 Frontal IP degree IP20	IEC	max min		14
Frontal IP degree IP20	IEC AWG/Kcmil	max min	mm²	35 14 6
	AWG/Kcmil Mechanical life	max min	mm²	35 14 6 20000
Pollution degree 2	AWG/Kcmil Mechanical life Weight	max min	mm²	35 14 6 20000 345
•	AWG/Kcmil Mechanical life Weight Frontal IP degree	max min	mm²	35 14 6 20000 345 IP20



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

P1MB3PC25

EC000042 -Miniature circuit breaker (MCB)