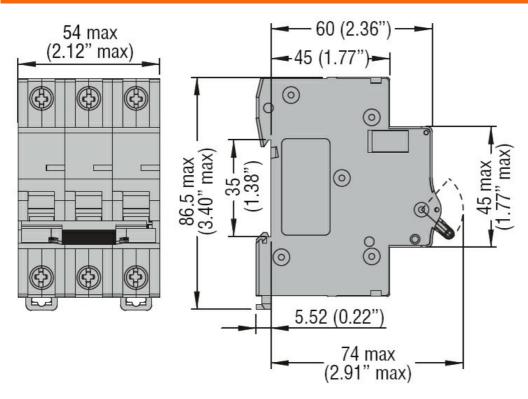




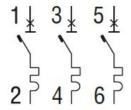
Product type designation         Feature (MCR)           Product type designation         9 P1 MB           Number of poles         3P           Number of poles         3P           Number of DIN modules         3           Compliance         IEC / UL1077           Electrical features         IEC / UL1077           Rated insulation voltage Uil EC/EN         V         440           Rated insulation voltage Vill EC/EN         V         40           Rated insulation voltage AC (IEC)         VC         203/400           Rated frequency         L         50/60           Rated frequency         L         C           Power dissipation per pole max         L         L           Ambient conditions				of State of the St
Product type designation	Draduat designation			Miniature circuit
Number of DIN modules         3P           Number of DIN modules         3R           Compliance         IEC / UL 1077           Electrical features         ****           Rated insulation voltage U IEC/EN         V         440           Rated insulation voltage Uimp         kV         4           Rated operational voltage AC (IEC)         VAC         230/400           Rated frequency         "Lz         5060           Rated current (In)         A         32           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         w         2.46           Ambient conditions         w         2.46           Operating temperature         min         "C         -40           Max         "C         -40         -40           Max altitude         m         2000           Mechanical features         vertical plan           Fixing         smm         vertical plan           Fixing         min         Nm         1.8           max         Nm         2           Poperating posit	Product designation			breaker (MCB)
Number of DIN modules	Product type designation			P1 MB
Compliance         IEC / UL1077           Electrical features         x         440           Rated insulation voltage Uir IEC/EN         xV         4           Rated impulse withstand voltage Uirip         kV         4           Rated operational voltage AC (IEC)         vAC         230/400           Rated operational voltage AC (IEC)         A         32           Rated current (In)         A         32           Tripping curve         L         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         w         2.46           Ambient conditions         w         2.46           Operating temperature         min         °C         40           max         c         +70         1000           Mechanical features         min         °C         40           Operating position         min         °C         40           Mechanical features         min         Nm         2           Operating position         min         Nm         1           Fixing         nommal         vertical plan           Fixing         no	Number of poles			3P
Rated insulation voltage Ui IEC/EN	Number of DIN modules			3
Rated insulation voltage Ui IEC/EN	Compliance			IEC / UL1077
Rated impulse withstand voltage Uimp         kV         4           Rated operational voltage AC (IEC)         VAC         230/400           Rated coperational voltage AC (IEC)         VAC         230/400           Rated current (In)         A         32           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         2.46           Ambient conditions         W         2.46           Operating temperature         min         °C         -40           Max altitude         max         °C         -40           Max altitude         max         °C         -40           Mechanical features         max         °C         -40           Operating position         normal         Vertical plan         Fixing         35mm DIN rail           Tightening torque for terminals         min         nm         1.8           max         Nm         2         min         min         1.7           Terminals tool         max         min         1.7         7           Terminals tool         min         min<				
Rated impulse withstand voltage Uimp         kV         4           Rated operational voltage AC (IEC)         VAC         230/400           Rated coperational voltage AC (IEC)         VAC         230/400           Rated current (In)         A         32           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         2.46           Ambient conditions         W         2.46           Operating temperature         min         °C         -40           Max altitude         max         °C         -40           Max altitude         max         °C         -40           Mechanical features         max         °C         -40           Operating position         normal         Vertical plan         Fixing         35mm DIN rail           Tightening torque for terminals         min         nm         1.8           max         Nm         2         min         min         1.7           Terminals tool         max         min         1.7         7           Terminals tool         min         min<	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         32           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max           Ambient conditions           Operating 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 min Nm 1.8           min lbin 16           max Nm 2         2           Conductor section           IEC         min mm² 1         min mm² 1           AWG/Kcmil         min mm² 1         min mm² 35           AWG/Kcmil         min max mm² 35           AWG/Kcmil         min max max 2         6			kV	4
Rated frequency         Hz         50/60           Rated current (In)         A         32           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dispation per pole max         W         2.46           Ambient conditions         Operating temperature           min         °C         -40           max         max				230/400
Rated current (In)         A         32           Tripping curve         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         2.46           Ambient conditions           Operating temperature           min         °C         -40           max         °C         +70           Storage temperature           Max altitude         min         °C         -40           Mechanical features         min         °C         -40           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2         2           Conductor         min         1bin         16           max         Ibin         11.7           Terminals tool         min         mm         2           Conductor section         min         mm         2           AWG/Kcmil         min         14         max         min         min				
Tripping curve         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         2.46           Ambient conditions         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         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2         min         1bin         16           max         Ibin         17.7         17         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7         17.7				
Short circuit rating (IEC)         kA         10           Electrical life         cycles         100000           Power dissipation per pole max         W         2.46           Ambient conditions         Operating temperature         min of conditions				
Electrical life         cycles         10000           Power dissipation per pole max         W 2.46           Ambient conditions			kΔ	
Power dissipation per pole max				
Ambient conditions				
Operating temperature           min nmx occ occ occ occ occ occ occ occ occ oc	<u> </u>		VV	2.40
Minimax				
Storage temperature         max         °C         +70           Storage temperature           min         °C         -40         max         °C         +80           Max altitude         max         °C         +80           Mechanical features           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals           min         Nm         1.8         Nm         2         nm         2         nm         1.8         nm         2         nm         1.8         nm         2         nm         1.8         nm         2         nm         2         nm         1.6         nm         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2	Operating temperature	min	°C	40
Storage temperature         min max °C - 40 nmax °C + 80           Max altitude         m 2000           Mechanical features           Operating position         normal         Vertical plan           Eixing         35mm DIN rail           Tightening torque for terminals           min max Nm 2 max lbin 17.7           Terminals tool         P 2 2           Conductor section           IEC         min mm² mm² 1 nmx mm² 35           AWG/Kcmil         min mx 14 nmax 6         Mechanical life         cycles 20000         Weight         cycles 20000         Weight         g 345         Frontal IP degree         IP20				
Max altitude         min max         °C +80           Max altitude         m 2000           Mechanical features           normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min max mm 1.8 max         Nm 2 max           min lbin 16 max         lbin 17.7           Terminals tool         p 2 2           Conductor section         min mm² mm² 1 max mm² 35           AWG/Kcmil         min max mm² 6           Mechanical life         cycles 20000           Weight         g 345           Frontal IP degree         IP20	Ctorogo tomporatura	Шах		+70
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         mm²         35           AWG/Kcmil         min         14         max         6           Mechanical life         cycles         20000           Weight         g         345           Frontal IP degree         IP20	Storage temperature		°0	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         2           min         lbin         16         3         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4				
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 min Ibin 16 max Ibin 17.7           Terminals tool         Pz 2           Conductor section           IEC         min mm² 1 nm² 14 max mm² 35           AWG/Kcmil         min nm² 14 max 6           Mechanical life         cycles 20000           Weight         g 345           Frontal IP degree         IP20	Ma. 189 L	max		
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 nm² 1 nm² 35           AWG/Kcmil         min min mm² 35         14           Mechanical life         cycles 20000           Weight         g 345           Frontal IP degree         IP20			m	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 max mm² 1 max mm² 35           AWG/Kcmil         min max mm² 35           Mechanical life         cycles 20000           Weight         g 345           Frontal IP degree         IP20	Operating position			
Tightening torque for terminals    min Nm 1.8 max Nm 2 min   lbin 16 max   lbin 17.7		normal		
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   Terminals				35mm DIN rail
Max   Nm   2   min   Ibin   16   max   Ibin   17.7	Tightening torque for terminals			
min min max         Ibin libin lib		min		
Terminals tool		max		
Terminals tool		min		
IEC		max	Ibin	
IEC				Pz 2
Mechanical life         cycles         20000           Weight         g         345           Frontal IP degree         IP20				
AWG/Kcmil         max         mm²         35           min max         14         6           Mechanical life         cycles         20000           Weight         g         345           Frontal IP degree         IP20	IEC			
AWG/Kcmil           min max         14 max         6           Mechanical life         cycles         20000           Weight         g         345           Frontal IP degree         IP20		min		
min max         14 max         6           Mechanical life         cycles         20000           Weight         g         345           Frontal IP degree         IP20		max	mm²	35
Mechanical life         cycles         20000           Weight         g         345           Frontal IP degree         IP20	AWG/Kcmil			
Mechanical lifecycles20000Weightg345Frontal IP degreeIP20		min		
Weight g 345 Frontal IP degree IP20		max		
Frontal IP degree IP20	Mechanical life		cycles	20000
Frontal IP degree IP20	Weight		g	345
	Frontal IP degree			IP20
	Pollution degree			2



## **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)