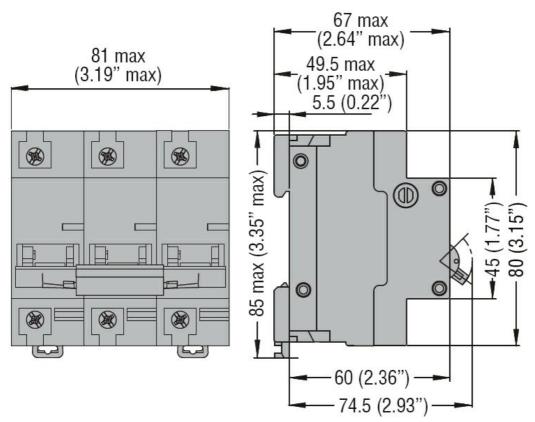




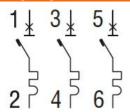
Product type designation	Product designation			Miniature circuit
Number of poles         3P           Number of DIN modules         4.5           Compliance         1EC / UL 1077           Electrical features         V         400           Rated insulation voltage UII EC/EN         V         6           Rated insulation voltage UII EC/EN         VXC         230/400           Rated operational voltage AC (IEC)         VXC         230/400           Rated courent (In)         A         80           Tripping curve         KA         10           Short circuit rating (IEC)         KA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         11.58           Ambient conditions         W         11.58           Operating temperature         min         °C         -40           Max altitude         max         °C         -40           Max altitude         max         °C         +80           Mechanical features         Vertical plan         vertical plan           Fixing         normal         Vertical plan           Fixing         p. 2         2           Tightlening torque for terminals         min         min         3.5	•			breaker (MCB)
Number of DIN modules         4.5 (Dut 1077 Electrical features           Electrical features         V         400           Rated insulation voltage Uir IEC/EN         NV         200/400           Rated insulation voltage Uirpe         NV         200/400           Rated frequency         Hz         50/60           Rated frequency         Rated frequency         C           Rated frequency         Rated frequency         C           Rated frequency         Rated frequency         Rated frequency           Rated frequency         Rated frequency         Rated frequency           Rated frequency         Rate Solf-Rate				
Compliance         IECT / UL1077           Electrical features         ✓         4 00           Rated insulation voltage UIIEC/EN         ×V         6           Rated impulse withstand voltage Ulimp         kV         6           Rated operational voltage AC (IEC)         VAC         230/400           Rated dreguency         Hz         50/60           Rated current (In)         A         80           Tripping curve         kA         10           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         11.58           Ambient conditions         w         11.58           Operating temperature         min         °C         -40           Max altitude         m         200         Western temperature         w         200           Max altitude         m         200         Western temperature         w         200           Mechanical features         more altitures         Vertical plan         10           Operating position         min         Nm         3.2           Fixing         no         Nm         3.2           max	•			
Electrical features         V         400           Rated insulation voltage Uinp (Rated insulation voltage Uimp)         k.V         6           Rated operational voltage AC (IEC)         VAC         230/400           Rated operational voltage AC (IEC)         VAC         230/400           Rated operational voltage AC (IEC)         LE         50/60           Rated ourent (In)         A         80           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Power dissipation per pole max         W         11.58           Ambient conditions           Operating temperature           min         °C         -40           max         °C         +70           Storage temperature           Min         °C         -40           max         °C         -40           max <td< td=""><td></td><td></td><td></td><td></td></td<>				
Rated insulation voltage Uir IEC/EN         V         400           Rated impulse withstand voltage Uirip         kV         6           Rated operational voltage AC (IEC)         VAC         230/400           Rated frequency         hZ         50/60           Rated frequency         hZ         50/60           Rated current (In)         A         80           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         11.58           Ambient conditions         C         -40           Operating temperature         min         *C         -40           Max altitude         m         2000           Mechanical features         min         2000           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         3.5           max         Nm         3.5         min         1bin         3.1           Terminals tool         min         bin         2.5         min         6.0         <	<u> </u>			IEC / UL10//
Rated impulse withstand voltage Uimp         kV         6           Rated operational voltage AC (IEC)         VAC         230/400           Rated operational voltage AC (IEC)         Hz         50/60           Rated current (In)         A         80           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         11.58           Ambient conditions         W         11.58           Operating temperature         min         °C         -40           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         3.2           max         Nm         3.5         min         1bin         3.1           Terminals tool         min         min         bin         3.1         2.2           Conductor section         min			\/	400
Rated operational voltage AC (IEC)	-			
Rated frequency         Hz         50/60           Rated current (In)         A         80           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         11.58           Ambient conditions         W         11.58           Operating temperature         min         °C         -40           Max at its demperature         min         °C         -40           Max at its demperature         min         °C         -40           Mechanical features         max         °C         -40           Operating position         mormal         Vertical plan           Fixing         normal         Vertical plan           Tightening torque for terminals         min         Nm         3.2           max         Nm         3.5         min         1bin         2.5           max         lbin         3.1         1         1           Terminals tool         max         min         min         min         2.5         1           Conductor section         min         min         m	<u> </u>			
Rated current (in)         A         80           Tripping curve         C           Short circuit rating (IEC)         KA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         11.58           Ambient conditions           Operating temperature           min °C -40 max °C +70           Storage temperature           Max altitude         m         2000           Mechanical features         m         2000           Operating position         normal         Vertical plan           Fixing         normal         Vertical plan           Tightening torque for terminals         min Nm 3.2 max Nm 3.5 min lbin all lbin 28.3 max lbin 31           Terminals tool         p2 2           Conductor section         IEC         min mm² 2.5 max mm² 50           AWG/Kcmil         min mx mm² 2.5 max mm² 50           AWG/Kcmil         min mx 14 max 1/0           Mechanical life         cycles 10000           Weight         9 510           Frontal IP degree         IP20				
Tripping curve         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         11.58           Ambient conditions         W         11.58           Operating temperature         min °C -40 max °C +70           Storage temperature         min °C -40 max °C +80           Max altitude         m 2000           Mechanical features         mm 2000           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min Nm 3.2 max Nm 3.5 min lbin 28.3 min l				
Short circuit rating (IEC)         KA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         11.58           Ambient conditions         Operating temperature         min °C -40 max °C +70           Storage temperature         min °C -40 max °C +40 max °C +40 max °C +80           Max altitude         min °C -40 max °C +80           Mechanical features         Operating position           Fixing         Tightening torque for terminals           Fixing         Tightening torque for terminals           Inin long         3.5 mm DIN rail           Tightening torque for terminals         min long         3.2 max long           Terminals tool         pz 2           Conductor section         IEC         min long         min mm² 2.5 max long           AWG/Kcmil         min long         min long         14 max long           Mechanical life         cycles         100000           Weight         g 510           Frontal IP degree         IP20			A	
Electrical life         cycles         10000           Power dissipation per pole max         W         11.58           Amblent conditions         Storage temperature         min °C -40 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 3.2 max Nm 3.5 min Ibin 28.3 max Nm 3.5 min Ibin 28.3 max Ibin 31           Terminals tool         p 2           Conductor section         IEC           min mm mm² 2.5 max mm² 50           AWG/Kcmil         min mm² 14 max 1/0           Mechanical life         cycles 10000           Weight         g 510           Frontal IP degree         IP20			I.Λ	
Power dissipation per pole max				
Ambient conditions				
Operating temperature           min of c of			VV	11.58
Min   Not   Not				
Storage temperature         min max "C -40           Max altitude         mormal         "C -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40         -40 <td>Operating temperature</td> <td>min</td> <td>°C</td> <td>40</td>	Operating temperature	min	°C	40
Storage temperature         min max of colspan="2">°C -40 and colspan="2">-40 and				
Max altitude         min max         °C valous (continuous)         480           Mechanical features           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals           min Nm Nm 3.2 max Nm 3.5 min Ibin 28.3 max Ibin 31           Terminals tool         Pz 2           Conductor section           IEC         min mm² 2.5 max mm² 50           AWG/Kcmil           min min nm² 14 max 1/0         Mechanical life         cycles 10000           Weight         g 510           Frontal IP degree         IP20	Storage temperature	IIIax		+70
Max altitude         max         °C         +80           Mechanical features           Operating position           normal         Vertical plan           Fixing         normal         Vertical plan           Tightening torque for terminals         min         Nm         3.2           max         Nm         3.5         min         1bin         28.3           min         Ibin         28.3         nmx         1bin         31           Terminals tool         Pz 2         2           Conductor section         min         mm²         2.5           max         mm²         50           AWG/Kcmil         min         14           Mechanical life         cycles         10000           Weight         g         510           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         3.2           max         Nm         3.5         nmin         lbin         28.3           min         lbin         31         1           Terminals tool         Pz 2           Conductor section         IEC         min         mm²         2.5         max         mm²         50           AWG/Kcmil         min         mm²         2.5         max         min         14         max         1/0           Mechanical life         cycles         10000         Weight         g         510         Frontal IP degree         IP20         IP20         IP20         1P20         IP20         Terminals tool         min         min         min				
Mechanical features           Operating position           Fixing         35mm DIN rail           Tightening torque for terminals           min Nm Nm 3.2 max Nm 3.5 min Ibin 28.3 max Ibin 31           Terminals tool         Pz 2           Conductor section           IEC         min mm² 2.5 max mm² 50           AWG/Kcmil         min max 14 max 1/0           Mechanical life         cycles 10000           Weight         g 510           Frontal IP degree         IP20	Max altituda	IIIax		
Operating position           Fixing         35mm DIN rail           Tightening torque for terminals           min Nm 3.2 max Nm 3.5 min Ibin 28.3 max Ibin 31           Terminals tool         Pz 2           Conductor section           IEC         min mm² 2.5 max mm² 50           AWG/Kcmil         min min 14 max 1/0           Mechanical life         cycles 10000           Weight         g 510           Frontal IP degree         IP20			111	2000
Fixing         Jean DIN rai           Tightening torque for terminals           min Nm Nm 3.2 max Nm 3.5 min Ibin 28.3 max Ibin 31           Terminals tool         Pz 2           Conductor section           IEC         min mm² 2.5 max mm² 50           AWG/Kcmil         min mm² 14 max 1/0           Mechanical life         cycles 10000           Weight         g 510           Frontal IP degree         IP20				
Fixing         35mm DIN rail           Tightening torque for terminals           min Nm Nm 3.2 max Nm 3.5 min Ibin 28.3 min Ibin 31           Terminals tool         Pz 2           Conductor section           IEC         min mm² mm² 2.5 max mm² 50           AWG/Kcmil         min mm² 14 max 1/0           Mechanical life         cycles 10000           Weight         g 510           Frontal IP degree         IP20	Operating position	normal		Vertical plan
Tightening torque for terminals           min         Nm         3.2           max         Nm         3.5           min         Ibin         28.3           max         Ibin         31           Terminals tool         Pz 2           Conductor section           IEC         min         mm²         2.5         mm²         50           AWG/Kcmil         min         14         max         1/0           Mechanical life         cycles         10000           Weight         g         510           Frontal IP degree         IP20	Fiving	Homiai		•
Min   Nm   3.2   max   Nm   3.5   min   Ibin   28.3   max   Ibin   31				33HIII DIN IAII
Max   Nm   3.5   min   lbin   28.3   max   lbin   31	rightering torque for terminals	min	Nm	3.2
Mechanical life   Max   State   Stat				
Terminals tool   Pz 2				
Terminals tool				
Conductor section   IEC   min mm² 2.5   max mm² 50	Terminals tool	тах	10111	
Frontal IP degree   IEC				
Mechanical life         cycles         10000           Weight         g         510           Frontal IP degree         IP20         IP20				
AWG/Kcmil         max         mm²         50           min max         14 max         1/0           Mechanical life         cycles         10000           Weight         g         510           Frontal IP degree         IP20	120	min	mm²	2.5
AWG/Kcmil           min max         14 max         1/0           Mechanical life         cycles         10000           Weight         g         510           Frontal IP degree         IP20				
min max         14 max         1/0           Mechanical life         cycles         10000           Weight         g         510           Frontal IP degree         IP20	AWG/Kcmil	····		
Mechanical life         cycles         10000           Weight         g         510           Frontal IP degree         IP20		min		14
Mechanical lifecycles10000Weightg510Frontal IP degreeIP20				
Weight g 510 Frontal IP degree IP20	Mechanical life		cvcles	
Frontal IP degree IP20				
<u> </u>			<u> </u>	
	Pollution degree			3



## **Dimensions**



## Wiring diagrams



## Certifications and compliance

Compliance

CSA C22.2 n°235. UR "UL Recognized" per Canada e USA.

IEC/EN 60947-2

UL 1077

Certifications

cURus

EAC

TÜV-Rheinland

ETIM classification

**ETIM 8.0** 

EC000042 -Miniature circuit breaker (MCB)