



Product type designation         Image: Composition of the product type designation of poles         Image: Composition of the poles				
Product type designation	Product 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 IEC/EN         V         440           Rated insulation voltage Uimp         kV         4           Rated operational voltage AC (IEC)         VAC         230/400           Rated drequency         Hz         50/60           Rated frequency         KA         40           Rated frequency         KA         10           Electrical life         c         C           Short circuit rating (IEC)         KA         10           Electrical life         cc         10000           Power dissipation per pole max         W         3.84           Ambient conditions         W         3.84           Operating temperature         min         °C         -40           Max         °C         -40         -40           Max altitude         max         °C         -40           Mechanical features         vertical plan         vertical plan           Fixing         normal         Vertical plan         vertical plan           Fixing <t< td=""><td>1 Toddot designation</td><td></td><td></td><td>` ,</td></t<>	1 Toddot designation			` ,
Number of DIN modules         4           Compliance         IEC / UL1077           Electrical features         V         40           Rated insulation voltage UI IEC/EN         NV         4           Rated insulation voltage AC (IEC)         NAC         230/400           Rated operational voltage AC (IEC)         NAC         230/400           Rated current (In)         A         40           Tripping curve         L         C           Short circuit rating (IEC)         KA         1000           Power dissipation per pole max         KA         10000           Power dissipation per pole max         W         3.84           Ambient conditions           Storage temperature           min         °C         -40           Max altitude         min         °C         -40           Max altitude         moral         °C         -40           Mex altitude         normal         °C         -80           Fixing         normal         vertical plan           Fixing         normal         Nm         1.8           Fixing         normal         lin         1.8           Fixing         normal<				
Compliance         IEC / UL 1077           Electrical features         v         440           Rated insulation voltage Uirip         kV         4           Rated impulse withstand voltage Uirip         kV         4           Rated operational voltage AC (IEC)         vAC         230/400           Rated operational voltage AC (IEC)         A         40           Rated current (In)         A         40           Tripping curve         kA         10           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           Manual stitude         m         200         +70           Max altitude         m         2000         +84           Max altitude         m         2000         +84           Mechanical features         monal         vertical plan           Spiral position         monal         vertical plan           Fixing         min         Mm         1.8           max         Nim	•			4P
Rated insulation voltage Ui IEC/EN				
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         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 altitude         max         °C         +80           Max altitude         m         2000           Mechanical features         min         °C         +80           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2         2           Conductor section         min         nm         1.2           IEC         min<				IEC / UL1077
Rated impulse withstand voltage Ulimp         kV         4           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 altitude         max "C - 40           Mechanical features           Operating position           normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals           min Nm 1.8         Nm 2           min plan         Nm 2           min plan         10 n           Terminals tool         min max 10 n           Representation           Terminals tool         min mm 2 n           Conductor section <t< td=""><td>Electrical features</td><td></td><td></td><td></td></t<>	Electrical features			
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           Operating position         normal         Vertical plan           Fixing         normal         Vertical plan           Tightening torque for terminals         min         lim         18           max         Nm         1.8         max         nm         2           Terminals tool         min         lim         10         1.7         7           Terminals tool         min         min         min         min         <	Rated insulation voltage Ui IEC/EN		V	440
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         m         2000           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2         1.1         1.7           Terminals tool         min         Image: Nm         1.7         1.7           Terminals tool         min         min         min         min         1.7         1.7           Terminals tool         min         min         min <td>Rated impulse withstand voltage Uimp</td> <td></td> <td>kV</td> <td>4</td>	Rated impulse withstand voltage Uimp		kV	4
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         °C         -40           max         °C         -40           max         °C         -40           Max altitude         m         2000           Mechanical features         onormal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2         1.8           min         bin         1.8         1.8           max         Nm         2         2.0           Conductor section         IEC         min         mm         1.7           Terminals tool         min         mm         1.7         2.0           AWG/Kcmil         min         mm         3.5         3.5 <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         3.84           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         2           min         lbin         15.7         2           Terminals tool         min         lbin         17.7           Terminals tool         min         min         min         17.7           Terminals tool         min         min         17.7         2           AWG/Kcmil         min         min         min         17.7         35. <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         3.84           Ambient conditions         Operating temperature         min °C -40 max °C +70           Storage temperature         min °C -40 max °C +80           Max altitude         min °C -480           Max altitude         m rowspan="2">m rowspan="2">	Rated current (In)		Α	40
Electrical life         cycles         10000           Power dissipation per pole max         W 3.84           Amblent conditions         Storage temperature           min orange temperature         min orange temperature         min orange temperature         min orange temperature         min orange temperature         min orange temperature         Temperature         min orange temperature         min orange temperature         Vertical plan           Fixing         35mm DIN rail         Temperature         min orange temperature         Merical plan         35mm DIN rail         Temperature         min orange temperature	Tripping curve			С
Power dissipation per pole max	Short circuit rating (IEC)		kA	10
Ambient conditions	Electrical life		cycles	10000
Operating temperature           min mmx occ +40 mmx occ +470           Storage temperature           min occ +40 mmx occ +480           Max altitude         m 2000           Mechanical features           Operating position         normal Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min Nm 1.8           max mm lbin 16           max lbin 17.7           Terminals tool         p 2           Conductor section           IEC           min mm² 1 mm² 1 mm² 35           AWG/Kcmil           min mm² 14 max 5           AWG/Kcmil         min min mm² 1 mmx 14         min max mm² 35         min min mm² 14         min max mm² 35         min min mm² 14         min max mm² 35         min min mm² 14         min max mm² 35         min min max	Power dissipation per pole max		W	3.84
Minimax   C   440 max   C   470 max   C   480 max   C	Ambient conditions			
Storage temperature         min occupation	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 Nm Nm 1.8 max Nm 2 max Nm 2 max Nm 2 max Nm 16 max Nm 16 max 1bin 17.7           Terminals tool         p 2 2           Conductor section           IEC         min mm mm² 1 max mm² 35           AWG/Kcmil           Mechanical life         cycles 20000           Weight         g 460           Frontal IP degree         IP20		max	°C	+70
Max altitude         max         °C         +80           Mechanical features           Operating position           normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals           min         Nm         1.8           max         Nm         2           min         lin         1.6           max         lin         1.7.7           Terminals tool         pz 2           Conductor section           IEC         min         mm²         1           AWG/Kcmil         min         mm²         35           AWG/Kcmil         min         14         min         14           Mechanical life         cycles         20000         Weight         g         460           Frontal IP degree         IP20         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         2           min         lbin         16         3         2         3           Terminals tool         pz 2         2		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 1bin 17.7           Terminals tool         Pz 2           Conductor section           IEC         min mm² 1 nm² 14 max mm² 35           AWG/Kcmil           Mechanical life         cycles 20000           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 min lbin 16 max lbin 17.7           Terminals tool         Pz 2           Conductor section           IEC         min mm² 1 nm² 35           AWG/Kcmil         min max mm² 35           AWG/Kcmil         min max nm² 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 kmax km         Nm         1.8 kmax kmax km         2 kmax kmax kmax kmax kmax kmax kmax kmax	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 14 max 6           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		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         IP 20         IP 20	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		min		
Weight g 460 Frontal IP degree IP20		max		
Frontal IP degree IP20			cycles	
			g	
Pollution degree 2				
	Pollution degree			2

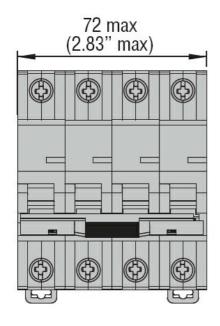


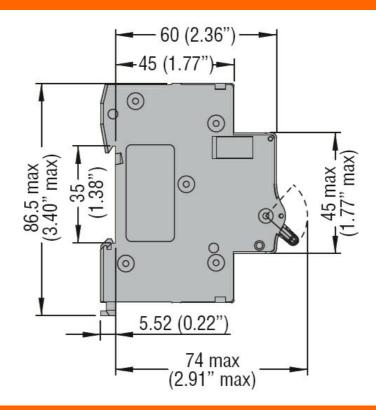
**ENERGY AND AUTOMATION** 

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

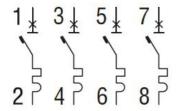
mm 60

## **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)