



Product designation			Miniature circuit
Product type designation			breaker (MCB) P1 MB
Number of poles			4P
Number of DIN modules			4
Compliance			IEC / UL1077
Electrical features			ILC / OLIO//
Rated insulation voltage Ui IEC/EN		V	440
Rated impulse withstand voltage Uimp		kV	4
Rated operational voltage AC (IEC)		VAC	230/400
Rated frequency		Hz	50/60
Rated current (In)		A	20
Tripping curve			C
Short circuit rating (IEC)		kA	10
Electrical life		cycles	10000
Power dissipation per pole max		W	1.56
Ambient conditions		VV	1.50
Operating temperature			
Operating temperature	min	°C	-40
	max	°C	+70
Starage temperature	Παλ		+10
Storage temperature	min	°C	-40
		°C	+80
Max altitude	max		2000
Mechanical features		m	2000
Operating position			
Operating position	normal		Vertical plan
Fixing	Homai		35mm DIN rail
Fixing			JOHN DIN TAIL
Tightoping torque for terminals			
Tightening torque for terminals	min	Nm	1.8
Tightening torque for terminals	min	Nm Nm	1.8
Tightening torque for terminals	max	Nm	2
Tightening torque for terminals	max min	Nm Ibin	2 16
	max	Nm	2 16 17.7
Terminals tool	max min	Nm Ibin	2 16
Terminals tool Conductor section	max min	Nm Ibin	2 16 17.7
Terminals tool	max min max	Nm Ibin Ibin	2 16 17.7 Pz 2
Terminals tool Conductor section	max min max min	Nm Ibin Ibin	2 16 17.7 Pz 2
Terminals tool Conductor section IEC	max min max	Nm Ibin Ibin	2 16 17.7 Pz 2
Terminals tool Conductor section	max min max min max	Nm Ibin Ibin	2 16 17.7 Pz 2 1 35
Terminals tool Conductor section IEC	max min max min max	Nm Ibin Ibin	2 16 17.7 Pz 2 1 35
Terminals tool Conductor section IEC  AWG/Kcmil	max min max min max	Nm Ibin Ibin mm² mm²	2 16 17.7 Pz 2 1 35
Terminals tool Conductor section  IEC  AWG/Kcmil  Mechanical life	max min max min max	Nm Ibin Ibin mm² mm²	2 16 17.7 Pz 2 1 35 14 6 20000
Terminals tool Conductor section  IEC  AWG/Kcmil  Mechanical life Weight	max min max min max	Nm Ibin Ibin mm² mm²	2 16 17.7 Pz 2 1 35 14 6 20000 460
Terminals tool Conductor section  IEC  AWG/Kcmil  Mechanical life	max min max min max	Nm Ibin Ibin mm² mm²	2 16 17.7 Pz 2 1 35 14 6 20000



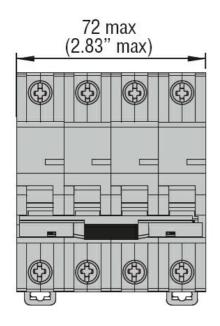
**ENERGY AND AUTOMATION** 

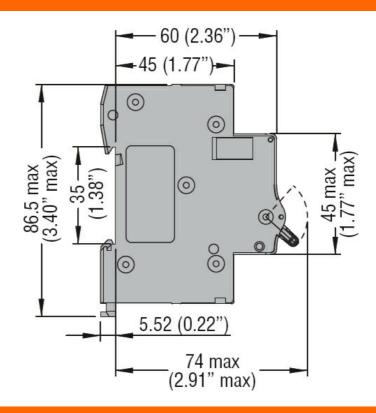
## Grid distance as per Annex H.1 of IEC/EN60898-1 standard

mm

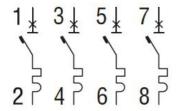
60

## **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)