

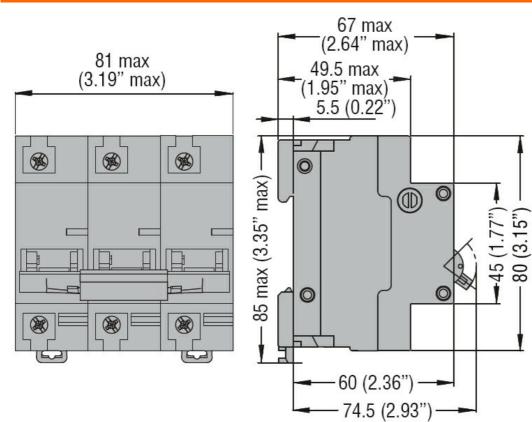


Product type designation P2 MB Number of poles 3P Number of poles 4.5 Compliance IEC / UL1077 Electrical leatures 4.5 Each invaluation voltage UI IEC/EN V 400 Rated invaluation voltage UI IEC/EN V 400 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (IEC) VAC 230/400 Rated frequency Hz 50/60 Rated current (In) A 125 Tripping curve C C Short circuit rating (IEC) KA 10 Electrical life operation per pole max V 14.06 Ambient conditions Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 max °C +70 Storage temperature 0 min °C -40 max °C +80 Max altitude m 2000 Mechanical features Operating position Per pole max S 1000 Fixing 2000 Fixing 2000 Fixing 2000 Fixing 2000 Fixing 2000 Fixing 2000 Fixing 2000 Fixing 2000 Fixing 2000 Fixing 10 Per Pole Pole Pole Pole Pole Pole Pole Pole	Product designation			Miniature circuit
Number of poles     3P       Number of DIN modules     4.5       Compliance     IEC / UL1077       Electrical features     V       Rated inpulse withstand voltage UIIPp     KV       Rated inpulse withstand voltage UIIPp     KV       Rated inpulse withstand voltage UIIPp     KV       Rated operational voltage AC (IEC)     VAC       Rated operational voltage AC (IEC)     VAC       Rated coperational voltage AC (IEC)     KA       Rated current (In)     A     125       Tripping curve     C       Short circuit rating (IEC)     KA     10       Electrical life     cycles     10000       Power dissipation per pole max     W     14.06       Ambient conditions     Operating temperature     min       Max altitude     m     2000       Mechanical features     min     2000       Operating position     Intra 2.5     min       Fixing     35mm DIN rail     35min       Tightening torque for terminals     min     Nm       IEC     IEC     Pz 2	-			· · ·
Number of DIN modules     4.5       Compliance     IEC / ULI 1077       Rated insulation voltage Uinp     V     400       Rated insulation voltage Uinp     KV     6       Rated operational voltage AC (IEC)     VAC     230/400       Rated operational voltage AC (IEC)     VAC     230/400       Rated frequency     Hz     50/60       Rated frequency     KA     10       Electrical life     cycles     10000       Power dissipation per pole max     W     14.06       Ambient conditions     min     *C     -40       max     "C     -40     max     *C       Max altitude     max     "C     -40     max     *C       Max altitude     max     "C				
Compliance     IEC / UL1077       Flectureal features     v     400       Rated insulation voltage UIIEC/EN     V     400       Rated insulation voltage UIIEC/EN     VX     6       Rated frequency     Hz     50/60       Rated frequency     Hz     50/60       Rated frequency     Hz     50/60       Rated current (In)     A     125       Tripping curve     C     Short circuit rating (IEC)     KA       Short circuit rating (IEC)     KA     10     Electrical life     cycles     10000       Power dissipation per pole max     W     14.06     Ambient conditions     W     14.06       Operating temperature     min     °C     -40     max     °C     +70       Storage temperature     min     °C     -40     max     °C     +80       Max altitude     m     2000     Mechanical features     Vertical plan     35       Operating position     min     Nm     3.2     max     Nm     3.5       Tightening torque for termi	•			
Electrical features     V     400       Rated insulation voltage Uimp     KV     6       Rated inpulse withstand voltage AC (IEC)     VAC     230/400       Rated operational voltage AC (IEC)     VAC     230/400       Rated current (In)     A     125       Tripping curve     C     Short circuit rating (IEC)     KA     10       Electrical life     cycles     10000     Power dissipation per pole max     W     14.06       Ambient conditions     W     14.06     Max     2     40       Operating temperature     min     °C     -40     max     °C     +70       Storage temperature     min     °C     -40     max     °C     +70       Storage temperature     min     °C     -40     max     °C     +80       Max altitude     m     2000     Mechanical features     min     Nm     3.1       Operating position     min     Nm     3.2     max     Nm     3.5     min     Ibin     28.3     max     Nm				
Rated insulation voltage Uil IEC/EN     V     400       Rated impulse withstand voltage Uimp     KV     6       Rated operational voltage AC (IEC)     VAC     230/400       Rated operational voltage AC (IEC)     VAC     230/400       Rated frequency     Hz     50/60       Rated tournent (In)     A     125       Tripping curve     C     Short circuit rating (IEC)     KA     10       Electrical life     cycles     10000     Power dissipation per pole max     W     14.06       Ambient conditions     Operating temperature     min     °C     +40       Max altitude     m     2000     Machanical features     max     °C     +80       Max altitude     m     2000     Machanical features     min     °C     +80       Max altitude     m     2000     Machanical features     min     NM     3.2       Max altitude     m     200     Max altitude     P2.2     Conductor section       Fixing     31     Terminals tool     P2.2     P2.2     Conductor se				IEC / UL1077
Rated impulse withstand voltage Uimp     kV     6       Rated operational voltage AC (IEC)     VAC     230/400       Rated frequency     Hz     50/60       Rated current (In)     A     125       Tripping curve     C     Short circuit rating (IEC)     kA     10       Electrical life     cycles     10000     Power dissipation per pole max     W     14.06       Arnbient conditions     min     °C     -40     max     °C     +70       Storage temperature     min     °C     -40     max     °C     +80       Max attitude     m     m     °C     -40     max     °C     +80       Max attitude     m     m     °C     -40     max     °C     +80       Mechanical features     min     °C     -40     max     °C     +80       Operating position     mormal     Vertical plan     Simm DIN rail     Simm DIN rail       Tightening torque for terminals     min     Ibin     2.5     max     max     10 <			. <i>i</i>	400
Rated operational voltage AC (IEC)     VAC     230/400       Rated frequency     Hz     50/60       Rated current (In)     A     125       Tripping curve     C     Short circuit rating (IEC)     kA     10       Electrical life     cycles     10000     Power dissipation per pole max     W     14.06       Ambient conditions     max     °C     +70     Storage temperature     min     °C     -40       Max altitude     max     °C     +70     Storage temperature     max     °C     +80       Max altitude     m     2000     max     °C     +80       Max altitude     m     2000     Mechanical features     Min     %C     +80       Operating position     normal     Vertical plan     10     11     11       Fixing     35mm DIN rail     35mm DIN rail     11     11     11       Terminals tool     P2 2     2     2     2     10     10       IEC     min     min<				
Rated frequency     Hz     50/60       Rated current (In)     A     125       Tripping curve     C     Short circuit rating (IEC)     kA     10       Electrical life     cycles     10000     Power dissipation per pole max     W     14.06       Ambient conditions     W     14.06     Ambient conditions     W       Operating temperature     min     °C     -40     max     °C     +70       Storage temperature     min     °C     -40     max     °C     +70       Max attitude     m     2000     max     °C     +80     Max attitude     max     ?C     +80       Max attitude     m     morral     Vertical plan     ?     ?     ?     ?     ?				
Rated current (in)     A     125       Tripping curve     C       Short circuit rating (IEC)     kA     10       Electrical life     cycles     10000       Power dissipation per pole max     W     14.06       Ambient conditions     min     °C     -40       Operating temperature     min     °C     -40       Max altitude     max     °C     -40       Max altitude     m     2000     Mechanical features       Operating position     mm     2000     Mechanical features       Operating position     normal     Vertical plan     1       Fixing     35mm DIN rail     Tightening torque for terminals     min     Nm     3.2       max     Nm     3.5     min     lbin     28.3       Terminals tool     Pz 2     Conductor section     Pz 2     25       AWG/Kcmil     min     14     max     1/0       Mechanical life     cycles     10000     14       Max     1/0     14     14				
Tripping curve     C       Short circuit rating (IEC)     kA     10       Electrical life     cycles     10000       Power dissipation per pole max     W     14.06       Ambient conditions     W     14.06       Operating temperature     min     °C     -40       max     °C     -40     max     °C     -40       Max attitude     min     °C     -40     max     °C     +80       Max attitude     max     °C     +80     Max attitude     max     °C     +80       Max attitude     max     °C     +80     Max attitude     max     °C     +80       Max attitude     max     °C     +80     Max attitude     max     Nm     3.5       Fixing     normal     Vertical plan     Storm DIN rail     Tightening torque for terminals     max     Nm     3.5       min     lbin     31     Pz 2     Conductor section     Pz 2     Conductor section     max     max     max     1/0				
Short circuit rating (IEC)     kA     10       Electrical life     cycles     10000       Power dissipation per pole max     W     14.06       Ambient conditions     min     °C     -40       Operating temperature     min     °C     -40       Max altitude     min     °C     -40       Max altitude     max     °C     +80       Max altitude     model     Vertical plan       Fixing     35mm DIN rail     7       Tightening torque for terminals     min     Nm     3.2       max     Nm     3.5     min     10       Terminals tool     Pz 2     2     2     2       Conductor section     IEC     min     min     14       max     10     max     10     14       Mechanical life     cycles     10000     14			A	
Electrical life     cycles     10000       Power dissipation per pole max     W     14.06       Ambient conditions         Operating temperature     min     °C     -40       max     °C     +70       Storage temperature     min     °C     -40       max     °C     +80       Max altitude     m     2000       Mechanical features      2000       Operating position      mormal     Vertical plan       Fixing     35mm DIN rail     35mm DIN rail       Tightening torque for terminals     min     Nm     3.2       max     Nm     3.5     min     Ibin     28.3       Terminals tool     Pz 2     Pz 2     Conductor section     Pz 2     2.5     max     min     14       Mechanical life     cycles     10000     Veright     9     510     15				
Power dissipation per pole max     W     14.06       Ambient conditions     Operating temperature     min     °C     -40       max     °C     +70     Storage temperature     min     °C     +40       Max altitude     max     °C     +40     max     °C     +40       Max altitude     max     max     °C     +40     max     10       Mechanical frequence for terminals     min     Nm     3.2     max     Nm     3.5       Terminals tool     pz 2     Pz 2     Conductor section     Pz 2     10				
Ambient conditions       Operating temperature     min °C - 40 max °C +70       Storage temperature     min °C - 40 max °C +80       Max altitude     m       Max altitude     m       Mechanical features     000       Operating position     retrical plan       Fixing     35mm DIN rail       Tightening torque for terminals     min Nm 3.2 max Nm 3.5 min lbin 28.3 max lbin 31       Terminals tool     P2 2       Conductor section     P2 2       IEC     min mm² 2.5 max mm² 50       AWG/Kcmil     min 14 max 1/0       Mechanical life     cycles 10000       Weight     g 5110       Frontal IP degree     IP20				
Operating temperature     min     °C     -40       max     °C     +70       Storage temperature     min     °C     +70       Storage temperature     min     °C     +40       max     °C     +80       Max altitude     m     2000       Mechanical features     m     2000       Operating position     mormal     Vertical plan       Fixing     35mm DIN rail     35mm DIN rail       Tightening torque for terminals     min     Nm     3.2       max     Nm     3.5     min     Ibin     28.3       max     Ibin     28.3     max     Ibin     31       Terminals tool     Pz 2     Conductor section     Pz 2     Conductor section     Fixing     10     Mmax     10       Mechanical life     cycles     10000     max     1/0       Mechanical life     cycles     10000     1000     1000			W	14.06
min     °C     -40       max     °C     +70       Storage temperature     min     °C     +70       Max altitude     min     °C     +80       Max altitude     m     2000     Mechanical features       Operating position     m     2000       Fixing     35mm DIN rail       Tightening torque for terminals     35mm DIN rail       Tightening torque for terminals     min       Max     Nm     3.2       max     Nm     3.5       min     Ibin     28.3       max     Ibin     31       Terminals tool     Pz 2     Conductor section       IEC     min     mm²     50       AWG/Kcmil     min     14       max     1/0     Mechanical life     vc/cles       Weight     g     510     510       Frontal IP degree     IP20     IP20     IP20	Ambient conditions			
max     °C     +70       Storage temperature     min     °C     -40       max     °C     +80       Max attitude     max     °C     +80       Mechanical features     mormal     2000       Operating position     normal     Vertical plan       Fixing     35mm DIN rail     35mm DIN rail       Tightening torque for terminals     min     Nm     3.2       max     Nm     3.5     min     Ibin     28.3       max     Ibin     31     1     1       Terminals tool     Pz 2     2     2     2       Conductor section     IEC     min <mm²< td="">     2.5     1       AWG/Kcmil     min     14     max     1/0       Mechanical life     cycles     10000     1     1       Weight     g     510     1     1</mm²<>	Operating temperature			
Storage temperature     min     °C     -40 max     °C     +80       Max altitude     m     2000     m     2000       Mechanical features     m     2000     m     2000       Operating position     normal     Vertical plan     vertical plan     1000       Fixing     35mm DIN rail     35mm DIN rail     35mm DIN rail     1000       Tightening torque for terminals     min     Nm     3.2     max     Nm     3.5       Terminals tool     max     lbin     31     1000     2.5     max     mm²     50       AWG/Kcmil     min     min     14     max     1/0     1/0       Mechanical life     cycles     10000     000     1/0     1/0     1/0		min		-40
min     °C     -40 max       Max altitude     m     2000       Mechanical features     m     2000       Operating position     normal     Vertical plan       Fixing     35mm DIN rail     35mm DIN rail       Tightening torque for terminals     min     Nm     3.2       max     Nm     3.5     min     Ibin     28.3       Terminals tool     p2 2     2     Conductor section     P2 2       Conductor section     IEC     min     mm²     50       AWG/Kcmil     min     14     max     1/0       Mechanical life     cycles     10000     1/0       Veight     g     510     1/0		max	°C	+70
max     °C     +80       Max altitude     m     2000       Mechanical features	Storage temperature			
Max altitude     m     2000       Mechanical features     Operating position     normal     Vertical plan       Fixing     35mm DIN rail     35mm DIN rail       Tightening torque for terminals     min     Nm     3.2       max     Nm     3.5     min     Ibin     28.3       max     Nm     3.1     Terminals tool     Pz 2     Pz 2       Conductor section     IEC     min     mm²     5.0       AWG/Kcmil     min     14     max     1/0       Mechanical life     cycles     10000     14       Weight     g     510     1920		min	°C	-40
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   Ibin   31   31     Terminals tool   Pz 2     Conductor section   IEC   min   mm²   2.5     max   mm²   50   30     AWG/Kcmil   min   14   max   1/0     Mechanical life   cycles   10000   000   000     Weight   g   510   1920   000		max	°C	+80
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   Ibin   31   31     Terminals tool   Pz 2   Conductor section   Pz 2     Conductor section   IEC   min   mm²   5.0     AWG/Kcmil   min   14   max   1/0     Mechanical life   cycles   10000   1000     Weight   g   510   510	Max altitude		m	2000
normalVertical planFixing35mm DIN railTightening torque for terminalsminNm3.2maxNm3.5minlbin28.3maxIbin313131Terminals toolPz 2Conductor sectionPz 2Conductor sectionIECMWG/Kcmilminmm²50AWG/Kcmilmin14max1/0Mechanical lifecycles10000Weightg510Frontal IP degreeIP20IP20IP20IP20	Mechanical features			
Fixing     35mm DIN rail       Tightening torque for terminals     min     Nm     3.2       max     Nm     3.5     min     Ibin     28.3       max     Ibin     31     31       Terminals tool     Pz 2     Pz 2       Conductor section     IEC     min     mm²     50       AWG/Kcmil     min     14     max     1/0       Mechanical life     cycles     10000     10000       Weight     g     510     1920	Operating position			
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     Max   mm²   50     AWG/Kcmil   min   14     max   1/0     Mechanical life   cycles   10000     Weight   g   510     Frontal IP degree   IP20		normal		Vertical plan
min     Nm     3.2       max     Nm     3.5       min     Ibin     28.3       max     Ibin     31       Terminals tool     Pz 2       Conductor section     Pz 2       IEC     min     mm²       AWG/Kcmil     min     mm²       Mechanical life     cycles     10000       Weight     g     510       Frontal IP degree     IP20	Fixing			35mm DIN rail
max     Nm     3.5       min     Ibin     28.3       max     Ibin     31       Terminals tool     Pz 2       Conductor section     IEC     rmin       IEC     min     mm²     2.5       Max     mm²     50     14       AWG/Kcmil     min     14       max     1/0     10000       Weight     g     510       Frontal IP degree     IP20     120	Tightening torque for terminals			
min     Ibin     28.3       Terminals tool     Pz 2       Conductor section     IEC       IEC     min     mm²     2.5       max     mm²     50       AWG/Kcmil     min     14       max     1/0     1/0       Mechanical life     cycles     10000       Weight     g     510       Frontal IP degree     IP20		min	Nm	3.2
max     Ibin     31       Terminals tool     Pz 2       Conductor section     IEC     min     mm²     2.5       Max     mm²     50     14       AWG/Kcmil     min     14       Mechanical life     cycles     1000       Weight     g     510       Frontal IP degree     IP20     1		max	Nm	3.5
Terminals tool     Pz 2       Conductor section     IEC       min     mm²     2.5       max     mm²     50       AWG/Kcmil     min     14       max     1/0     1/0       Mechanical life     cycles     10000       Weight     g     510       Frontal IP degree     IP20     1020		min	Ibin	28.3
Conductor section     IEC     min     mm²     2.5       max     mm²     50       AWG/Kcmil     min     14       max     1/0       Mechanical life     cycles     10000       Weight     g     510       Frontal IP degree     IP20		max	Ibin	31
IEC   min   mm²   2.5     max   mm²   50     AWG/Kcmil   min   14     max   1/0     Mechanical life   cycles   10000     Weight   g   510     Frontal IP degree   IP20	Terminals tool			Pz 2
min     mm²     2.5       max     mm²     50       AWG/Kcmil     min     14       max     1/0     1/0       Mechanical life     cycles     10000       Weight     g     510       Frontal IP degree     IP20	Conductor section			
max     mm²     50       AWG/Kcmil     min     14       max     1/0     1/0       Mechanical life     cycles     10000       Weight     g     510       Frontal IP degree     IP20	IEC			
AWG/Kcmil     min     14       max     1/0       Mechanical life     cycles     10000       Weight     g     510       Frontal IP degree     IP20		min	mm²	2.5
min max14 1/0Mechanical lifecycles10000Weightg510Frontal IP degreeIP20		max	mm²	50
max1/0Mechanical lifecycles10000Weightg510Frontal IP degreeIP20	AWG/Kcmil			
Mechanical lifecycles10000Weightg510Frontal IP degreeIP20		min		14
Weight g 510   Frontal IP degree IP20		max		1/0
Weightg510Frontal IP degreeIP20	Mechanical life		cycles	10000
Frontal IP degree IP20	Weight			510
	Pollution degree			3

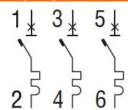
P2MB3PC125



Dimensions



## Wiring diagrams



Certifications and co	mpliance	
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		
		EC000042 -

## ETIM 8.0

EC000042 -Miniature circuit breaker (MCB)