



Product type designation P1 MB Number of poles 2P Number of DIN modules 2 Compliance IEC / UL1077 Electrical features Rated insulation voltage Ui IEC/EN V 440 Rated insulation voltage Uinp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage DC VDC 80 Rated frequency Hz 50/60 Rated current (In) A 25 Tripping curve C Short circuit rating (IEC) kA 10 Electrical life Cycles 10000 Power dissipation per pole max W 2.13 Ambient conditions Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 max °C +80 Max altitude m 2000 Mechanical features Operating position curves Vertical plan				Miniature circuit
Number of poles     2P       Number of DIN modules     2       Compliance     EC / UL1077       Electrical features     EC / UL1077       Rated insulation voltage Uil EC/EN     V     440       Rated insulation voltage Uilmp     kV     4       Rated insulation voltage LC     VAC     230/400       Rated insulation voltage DC     VDC     80       Rated frequency     Hz     50/60       Rated frequency     KA     10       Electrical life     cycles     10000       Power dissipation per pole max     W     2.13       Ambient conditions     W     2.13       Max altitude     max *C     +70       Storage temperature     min *C     -40       Max altitude	Product designation			breaker (MCB)
Number of DIN modules     2       Compliance     IEC / UL1077       Rated insulation voltage UI IEC/EN     V     440       Rated insulation voltage UI IEC/EN     V     4       Rated operational voltage AC (IEC)     VAC     230/400       Rated operational voltage DC     VDC     80       Rated operational voltage DC     VDC     80       Rated trequency     Hz     50/60       Rated current (In)     A     25       Tripping curve     C     Shot circuit rating (IEC)     kA     10       Electrical life     cycles     10000     Power dissipation per pole max     W     2.13       Ambient conditions     W     2.13     Ambient conditions     W     2.13       Operating temperature     min     °C     -40     max     °C     +70       Storage temperature     min     °C     -40     max     °C     +80       Max attitude     m     2000     Mechanical features     Operating position     TO     Operating position     TO     TO	Product type designation			P1 MB
Compliance     IEC / UL1077       Electrical features     V       Rated insulation voltage UI IEC/EN     V       Rated insulation voltage UI IEC/EN     V/       Rated operational voltage AC (IEC)     VAC       Rated operational voltage DC     V/OC       Rated operational voltage DC     V/DC       Rated frequency     Hz       Rated frequency     Hz       Solv60     Rated frequency       Rated frequency     Hz       Rated frequency     Hz       Rated frequency     Hz       Rated frequency     KA       Rate frequency     KA	•			2P
Electrical features     V     440       Rated insulation voltage Ui IEC/EN     V     440       Rated inpulse withstand voltage AC (IEC)     VAC     230/400       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 coperational voltage AC (IEC)     VAC     230/400       Rated current (In)     A     25       Tripping curve     C     Storage time (IEC)     kA     10       Electrical Iffe     cycles     10000     Power dissipation per pole max     W     2.13       Ambient conditions     W     2.13     Ambient conditions     W     2.13       Operating temperature     min     °C     -40     max     °C     +70       Storage temperature     min     °C     -40     max     °C     +80       Max altitude     max     max     W     2     min     10       Rechanical features     min     Immax     Nm	Number of DIN modules			2
Rated insulation voltage Ui IEC/EN     V     440       Rated impulse withstand voltage Uimp     kV     4       Rated operational voltage AC (IEC)     VAC     230/400       Rated operational voltage DC     VDC     80       Rated frequency     Hz     50/60       Rated current (In)     A     25       Tripping curve     C     Short circuit rating (IEC)     kA     10       Electrical life     cycles     10000     Power dissipation per pole max     W     2.13       Ambient conditions     max     °C     +70     Storage temperature     min     °C     -40       max     °C     +80     Max altitude     m     2000     Mechanical features       Operating temperature     min     °C     -40     max     °C     +80       Max altitude     m     2000     Mechanical features     000     Mechanical features     000       Operating position     normal     Vertical plan     min     Nm     1.8       Terminals tool     Pz 2     Pz 2     Condu				IEC / UL1077
Rated impulse withstand voltage Uimp     kV     4       Rated operational voltage AC (IEC)     VAC     230/400       Rated operational voltage DC     VDC     80       Rated frequency     Hz     50/60       Rated frequency     Hz     50/60       Rated frequency     KA     10       Electrical life     cycles     10000       Power dissipation per pole max     W     2.13       Ambient conditions     Operating temperature     min     °C     -40       max     °C     +70     Storage temperature     min     °C     -40       Max altitude     max     °C     +70     Storage temperature     min     °C     -40       Max altitude     max     °C     +80     Max altitude     mortical plan       Fixing     normal     Vertical plan     35mm DIN rail     16     max       Tightening torque for terminals     min     Nm     1.8     max     Min     17.7       Terminals tool     Pz 2     Conductor section     Pz 2     Conduc				
Rated operational voltage AC (IEC)     VAC     230/400       Rated operational voltage DC     VDC     80       Rated operational voltage DC     VDC     80       Rated operational voltage DC     VDC     80       Rated current (In)     A     25       Tripping curve     C     Short circuit rating (IEC)     KA     10       Electrical life     cycles     10000     Power dissipation per pole max     W     2.13       Ambient conditions     Operating temperature     min     °C     -40       max     °C     +70     Storage temperature     min     °C     -40       Max altitude     m     2000     Mechanical features     0     0     0       Operating position     normal     Vertical plan     1     1     1       Fixing     35mm DIN rail     16in     16     max     1     1       Terminals tool     pz 2     2     min     116     17.7     7       Terminals tool     pz 2     2     min     14     3				
Rated operational voltage DC     VDC     80       Rated frequency     Hz     50/60       Rated current (In)     A     25       Tripping curve     C     Short circuit rating (IEC)     kA     10       Electrical life     cycles     10000     Power dissipation per pole max     W     2.13       Ambient conditions     Operating temperature     min     °C     -40       Max     °C     +70     Storage temperature     min     °C     -40       Max altitude     m     2000     Mechanical features     0000     Mechanical features     0000       Mechanical features     min     °C     -40     max     °C     +86       Max altitude     m     2000     min     Nm     2000     Mechanical features     0000       Vertical plan     min     Nm     1.8     max     Nm     2       Tightening torque for terminals     min     Ibin     16     max     Nm     2       Conductor section     IEC     min     min<	Rated impulse withstand voltage Uimp		kV	4
Rated frequency     Hz     50/60       Rated current (In)     A     25       Tripping curve     C     Short circuit rating (IEC)     kA     10       Electrical life     cycles     10000     Power dissipation per pole max     W     2.13       Ambient conditions     Operating temperature     min     °C     -40       Max attitude     min     °C     -40       Max attitude     m     2000       Mechanical features     min     °C     -40       Operating position     min     °C     -40       Max attitude     m     2000     Mechanical features       Operating position     min     °C     +80       Max attitude     mormal     Vertical plan     25       Fixing     35mm DIN rail     16     max     Nm     2       Conductor section     IEC     min     IM     14     max     6       Mechanical life     cycles     20000     14     max     6	Rated operational voltage AC (IEC)		VAC	230/400
Rated current (in)     A     25       Tripping curve     C       Short circuit rating (IEC)     kA     10       Electrical life     cycles     10000       Power dissipation per pole max     W     2.13       Ambient conditions     W     2.13       Operating temperature     min     °C     -40       max     °C     +70       Storage temperature     min     °C     -40       Max altitude     m     2000     Mechanical features       Operating position     mormal     Vertical plan       Fixing     35mm DIN rail     35mm DIN rail       Tightening torque for terminals     min     Nm     1.8       max     Ibin     16     max     Ibin     17.7       Terminals tool     Pz 2     Pz 2     Conductor section     Pz 2     Conductor section     IEC     min     min     14       Max     MWG/Kcmil     min     14     max     6	Rated operational voltage DC		VDC	80
Tripping curve     C       Short circuit rating (IEC)     KA     10       Electrical life     cycles     10000       Power dissipation per pole max     W     2.13       Ambient conditions     W     2.13       Operating temperature     min     °C       Max altitude     max     °C       Max altitude     m     2000       Mechanical features     min     °C       Operating position     normal     Vertical plan       Fixing     35mm DIN rail     35mm DIN rail       Tightening torque for terminals     min     1.8       min     lbin     16       max     lbin     17.7       Terminals tool     Pz 2     2       Conductor section     IEC     min     min       IEC     min     min     min     14       Max     MWG/Kcmil     min     14	Rated frequency		Hz	50/60
Short circuit rating (IEC)   kA   10     Electrical life   cycles   10000     Power dissipation per pole max   W   2.13     Ambient conditions   W   2.13     Operating temperature   min   °C   -40     max   °C   +70     Storage temperature   min   °C   -40     Max altitude   m   2000     Mechanical features   min   °C   -40     Operating position   min   °C   -40     Fixing   35mm DIN rail   35mm DIN rail     Tightening torque for terminals   min   Nm   1.8     max   Nm   1.8   max   Ibin   16     max   Ibin   16   max   Ibin   17.7     Terminals tool   P2.2   Conductor section   P2.2   Conductor section   IEC   min   min   14     Max   MWG/Kcmil   min   14   max   6	Rated current (In)		А	25
Electrical life     cycles     10000       Power dissipation per pole max     W     2.13       Ambient conditions     min     °C     -40       Operating temperature     min     °C     +70       Storage temperature     min     °C     +40       Max altitude     m     2000     Mechanical features       Operating position     m     2000     Mechanical features       Operating position     normal     Vertical plan       Fixing     35mm DIN rail     35mm DIN rail       Tightening torque for terminals     min     16       max     Nm     2       min     10in     16       max     max     11       Terminals tool     Pz 2     Conductor section       IEC     min     min     14       Max diffe     min     14       Max     6     Mechanical life     Coycles	Tripping curve			С
Power dissipation per pole max     W     2.13       Ambient conditions     min     °C     -40       Operating temperature     min     °C     +70       Storage temperature     min     °C     -40       Max altitude     max     °C     +70       Max altitude     m     2000     Mechanical features       Operating position     m     2000     Mechanical features       Operating position     normal     Vertical plan       Fixing     35mm DIN rail     35mm DIN rail       Tightening torque for terminals     min     Nm     1.8       max     NM     2     min     Ibin     16       max     max     mm²     35     S       Conductor section     IEC     min     min     14       Max     min     14     max     6	Short circuit rating (IEC)		kA	10
Ambient conditions     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   operating position   min   2000     Fixing   35mm DIN rait   35mm DIN rait     Tightening torque for terminals   min   Nm   1.8     max   Nm   2   min   1bin   16     max   Ibin   16   max   Pz 2   2     Conductor section   IEC   min   min   14   max   6     Mechanical life   cycles   2000   2000   000   000   000	Electrical life		cycles	10000
Operating temperature     min     °C     -40       max     °C     +70       Storage temperature     min     °C     +70       Storage temperature     min     °C     +40       Max altitude     min     °C     +80       Max altitude     m     2000     Mechanical features       Operating position     mormal     Vertical plan       Fixing     35mm DIN rail       Tightening torque for terminals     min     Nm       min     Nm     1.8       max     Nm     2       min     Ibin     16       max     Ibin     17.7       Terminals tool     Pz 2     2       Conductor section     IEC     min     min       IEC     min     min     14       max     6     Mechanical life     cycles     2000	Power dissipation per pole max		W	2.13
min     °C     -40 max       Storage temperature     *70       Storage temperature     min     °C     +70       Max altitude     max     °C     +80       Max altitude     m     2000     ************************************				
min     °C     -40 max       °C     +70       Storage temperature     min     °C     +70       Max altitude     max     °C     +80       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     1.8       max     Nm     2     min     16       max     Ibin     16     max     max       Conductor section     IEC     Pz 2     Conductor section       IEC     min     min     14       max     6     Mechanical life     cycles     20000	Operating temperature			
Storage temperature   min   °C   -40     max   °C   +80     Max altitude   m   2000     Mechanical features   m   2000     Operating position   normal   Vertical plan     Fixing   355mm DIN rail     Tightening torque for terminals   min   Nm   1.8     max   Nm   2   min   Ibin   16     max   Ibin   17.7   Terminals tool   Pz 2   Conductor section     IEC   min   min   mm²   35     AWG/Kcmil   min   14   max   6     Mechanical life   cycles   20000   10		min	°C	-40
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		max	°C	+70
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	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     1.8       max     Nm     2     min     Ibin     16       Terminals tool     Pz 2     Conductor section     Pz 2     Conductor section       IEC     min     mmx     mm²     35       AWG/Kcmil     min     14     max     6       Mechanical life     cycles     20000     14	5	min	°C	-40
Mechanical features     Operating position   normal   Vertical plan     Fixing   35mm DIN rail     Tightening torque for terminals   min   Nm   1.8     max   Nm   2   min   Ibin   16     max   Ibin   16   max   Ibin   17.7     Terminals tool   Pz 2   Conductor section   Pz 2   Conductor section     IEC   min   mmx   mm²   1     AWG/Kcmil   min   14   max   6     Mechanical life   cycles   20000   100		max	°C	+80
Operating position   normal   Vertical plan     Fixing   35mm DIN rail     Tightening torque for terminals   min   Nm   1.8     max   Nm   2   min   Ibin   16     max   Nbin   16   max   Ibin   17.7     Terminals tool   Pz 2   Pz 2   Conductor section   Pz 2     Conductor section   IEC   min   mm²   1     AWG/Kcmil   min   14   max   6     Mechanical life   cycles   20000   114	Max altitude		m	2000
Operating position   normal   Vertical plan     Fixing   35mm DIN rail     Tightening torque for terminals   min   Nm   1.8     max   Nm   2   min   Ibin   16     max   Nbin   16   max   Ibin   17.7     Terminals tool   Pz 2   Pz 2   Conductor section   Pz 2     Conductor section   IEC   min   mm²   1     AWG/Kcmil   min   14   max   6     Mechanical life   cycles   20000   114	Mechanical features			
normal Vertical plan   Fixing 35mm DIN rail   Tightening torque for terminals min Nm 1.8   max Nm 2 min Ibin 16   max Ibin 17.7 1 max mm² 1   Terminals tool Pz 2 2 2 2   Conductor section IEC min mm² 1   AWG/Kcmil min 14 max 6   Mechanical life cycles 20000 1				
Fixing     35mm DIN rail       Tightening torque for terminals     min     Nm     1.8       max     Nm     2     min     Ibin     16       max     Ibin     16     max     Ibin     17.7       Terminals tool     Pz 2     Pz		normal		Vertical plan
Tightening torque for terminals   min   Nm   1.8     max   Nm   2     min   Ibin   16     max   Ibin   17.7     Terminals tool   Pz 2     Conductor section   IEC     IEC   min   mm²     AWG/Kcmil   min   14     max   6   0000     Mechanical life   cycles   20000	Fixing			35mm DIN rail
min   Nm   1.8     max   Nm   2     min   Ibin   16     max   Ibin   17.7     Terminals tool   Pz 2     Conductor section   IEC     IEC   min   mm²     AWG/Kcmil   min   14     max   6     Mechanical life   cycles   20000				
max     Nm     2       min     Ibin     16       max     Ibin     17.7       Terminals tool     Pz 2       Conductor section     IEC     min     mm²     1       Max     mm²     35     1     14       AWG/Kcmil     min     14     6     6       Mechanical life     cycles     20000     1000		min	Nm	1.8
min     lbin     16       max     lbin     17.7       Terminals tool     Pz 2       Conductor section     IEC     min     mm²     1       AWG/Kcmil     min     mm²     35     14       Mechanical life     cycles     20000     20000				
max     lbin     17.7       Terminals tool     Pz 2       Conductor section     IEC       Min     mm²       AWG/Kcmil     min       Mechanical life     cycles       Mechanical life     cycles		-		
Terminals tool Pz 2   Conductor section IEC   min mm² 1   AWG/Kcmil min 14   max 6   Mechanical life cycles 20000				
Conductor section     IEC     min     mm²     1       Meg/Kcmil     min     14     14       Mechanical life     cycles     20000	Terminals tool			
IEC   min   mm²   1     max   mm²   35     AWG/Kcmil   min   14     max   6   6     Mechanical life   cycles   20000				
min     mm²     1       max     mm²     35       AWG/Kcmil     min     14       max     6       Mechanical life     cycles     20000				
max     mm²     35       AWG/Kcmil     min     14       max     6     6       Mechanical life     cycles     20000		min	mm²	1
AWG/Kcmil min 14   max 6   Mechanical life cycles 20000				
min14max6Mechanical lifecycles2000	AWG/Kcmil	max		
max6Mechanical lifecycles20000		min		14
Mechanical life cycles 20000				
	Mechanical life	max	cycles	
y 200				
Frontal IP degree IP20			Э	

P1MB2PC25

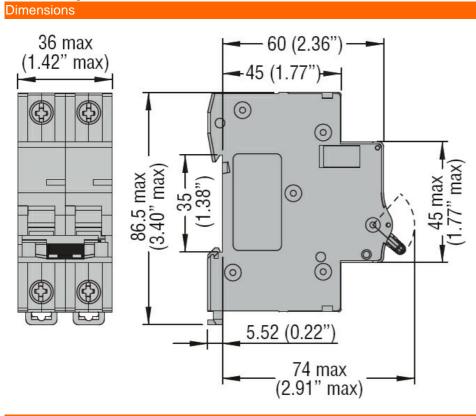


## P1MB2PC25

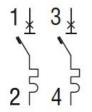
2

MINIATURE CIRCUIT BREAKER, 2P - 10KA. 2 MODULES, CHARACTERISTIC C, 25A

Pollution degree



## Wiring diagrams



## Certifications and compliance

Continoution of and con		
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		
		EC000042 -

ETIM 8.0

EC000042 -Miniature circuit breaker (MCB)

P1MB2PC25