



Product type designation     P1 MB       Number of DIN modules     1P+N       Compliance     IEC       Electrical features     IEC       Rated insulation voltage UI IEC/EN     V     440       Rated insulation voltage UI IEC/EN     V     440       Rated insulation voltage UI IEC/EN     V     440       Rated insulation voltage UI IEC/EN     V     4       Rated operational voltage AC (IEC)     VA C     230       Rated frequency     HZ     50/60       Rated frequency     KA     6       Electrical IIfe     cycles     10000       Power dissipation per pole max     W     2.16       Ambient conditions     Umax     *C     470       Storage temperature     min     *C     40       max     *C     +70     14       Max altitude     m     2000     Mechanical Ifan       Max altitude     min     *C     40       Max altitude     mormal     Vertical plan       Fixing     35mm DIN raiii     11	Product designation			Miniature circuit breaker (MCB)
Number of poles     1P+N       Number of DIN modules     1       Compliance     IEC       Electrical features     V     440       Rated insulation voltage UII EC/EN     V     4       Rated insulation voltage UII EC/EN     V     4       Rated insulation voltage UII EC/EN     V     4       Rated operational voltage UII EC/EN     VAC     230       Rated current (In)     A     4     -       Tripping curve     C     Short circuit rating (IEC)     kA     6       Electrical life     cycles     10000     Power dissipation per pole max     W     2.16       Ambient conditions     W     2.16     -     Ambient conditions       Operating temperature     min     *C     -40     -       Max altitude     max     *C     +70     -       Storage temperature     min     *C     +40       Max altitude     max     *C     +40       Max altitude     min     1.1     max     *C       Tightening torque for terminals<	Product type designation			· · ·
Number of DIN modules     1       Compliance     IEC       Electrical leatures     IEC       Rated insulation voltage Uinp     kV     4       Rated operational voltage AC (IEC)     VAC     230       Rated operational voltage AC (IEC)     VAC     230       Rated operational voltage AC (IEC)     VAC     230       Rated frequency     Hz     50/60       Rated operational voltage AC (IEC)     KA     6       Short circuit rating (IEC)     KA     6       Electrical IIfe     cycles     10000       Power dissipation per pole max     W     2.16       Ambient conditions     U     2.16       Operating temperature     min °C     -40       max< °C				
Compliance     IEC       Electrical features     IEC       Electrical features     V     440       Rated invaluation voltage UIIEC/EN     V     4       Rated invaluation voltage AC (IEC)     VAC     230       Rated frequency     Hz     50/60       Rated frequency     Hz     50/60       Rated current (In)     A     4       Tripping curve     C     Shont circuit rating (IEC)     KA     6       Electrical life     cycles     10000     Power dissipation per pole max     W     2.16       Ambient conditions     W     2.16     Max     1       Operating temperature     min °C -40     max °C +70     1       Storage temperature     min °C -40     40     1       Max atitude     max °C +80     1     1       Max atitude     max °C +80     35mm DIN rail     1       Tightening torque for terminals     min Nm 1.1     1     max Nm 1.2       min lobin 9.7     min lobin 9.7     22     2000       Mechanical fife     max				
Electrical features     V     440       Rated insulation voltage Uimp     KV     4       Rated insulation voltage AC (IEC)     VAC     230       Rated frequency     HZ     50/60       Rated corrent (In)     A     4       Tripping curve     C     Short circuit rating (IEC)     KA     6       Electrical life     cycles     10000     Power dissipation per pole max     W     2.16       Ambient conditions     W     2.16     min     *C     +40       Max altitude     min     *C     -40     max     *C     +70       Storage temperature     min     *C     -40     max     *C     +80       Max altitude     m     2000     Mechanical features     win     *C     +40       Max altitude     m     2000     #M     #M     #M     #M       Mechanical features     min     mmax     *C     +80     #M     #M     #M     #M     #M     #M     #M     M     #M     #M				
Rated insulation voltage Ui IEC/EN     V     440       Rated impulse withstand voltage Uimp     KV     4       Rated operational voltage AC (IEC)     VAC     230       Rated frequency     Hz     50/60       Rated frequency     Hz     50/60       Rated frequency     HZ     50/60       Rated frequency     HZ     50/60       Rated trequency     HZ     50/60       Rated trequency     HZ     50/60       Rated frequency     HZ     50/60       Rated trequency     HZ     50/60       Rated frequency     KA     6       Electrical life     cycles     10000       Power dissipation per pole max     W     2.16       Ambient conditions     W     2.16       Operating temperature     min     *C     440       max     *C     480     48       Max altitude     m     2000     Mechanical features     min     *C     480       Max altitude     min     1.1     max     1.2     min				120
Rated impulse withstand voltage Uimp     kV     4       Rated operational voltage AC (IEC)     VAC     230       Rated frequency     Hz     50/60       Rated current (In)     A     4       Tripping curve     C     Short circuit rating (IEC)     kA       Electrical life     cycles     10000       Power dissignation per pole max     W     2.16       Ambient conditions     W     2.16       Operating temperature     min     °C     -40       max     °C     +70     Storage temperature     min     °C     -40       Max altitude     mx     °C     +80     max     °C     +80       Max altitude     max     °C     +80     max     °C     +80       Max altitude     max     max     °C     +80     max     1.1       Mechanical features     min     Nm     1.1     max     Nm     1.2       Conductor section     ibin     9.7     max     Nm     1.2       Min			V	440
Rated operational voltage AC (IEC)     VAC     230       Rated frequency     Hz     50/60       Rated current (In)     A     4       Tripping curve     C     Short circuit rating (IEC)     kA     6       Electrical life     cycles     10000     Power dissipation per pole max     W     2.16       Ambient conditions     0     2.16     max     °C     +70       Storage 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     max     °C     +80       Max altitude     m     2000     max     °C     +80       Max altitude     m     2000     min     max     °C       Fixing     35mm DIN rail     min     1.1     max     °C       Tightening torque for terminals     min			kV	
Rated frequency     Hz     50/60       Rated current (In)     A     4       Tripping curve     C       Short circuit rating (IEC)     kA     6       Electrical life     cycles     10000       Power dissipation per pole max     W     2.16       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       Operating position     normal     Vertical plan     Fixing     35mm DIN rail     11       Fixing     35mm DIN rail     35mm DIN rail     11     max     Nm     1.1       Max altitude     max     Nm     1.2     min     Nm     1.2       Operating position     normal     Vertical plan     11     max     Nm     1.2       Conductor section     IEC     min     Nm     1.2     min     Mm²     1 <td></td> <td></td> <td></td> <td></td>				
Rated current (in)     A     4       Tripping curve     C       Short circuit rating (IEC)     kA     6       Electrical life     cycles     10000       Power dissipation per pole max     W     2.16       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 torque for terminals     min     Nm     1.1       Fixing     35mm DIN rail     35mm DIN rail       Tightening torque for terminals     min     Nm     1.2       Max altitude     Pz 2     Conductor section     Pz 2       Conductor section     IEC     min     mm     14       Max     min     14     max     6       Mechanical life     cycles     20000     Weight     g     115       Frontal IP degree				
Tripping curve     C       Short circuit rating (IEC)     kA     6       Electrical life     cycles     10000       Power dissipation per pole max     W     2.16       Ambient conditions     W     2.16       Operating temperature     min     °C     -40       max     °C     -40     max     °C     -40       Max altitude     max     °C     -40     max     °C     +80       Max altitude     max     °C     +80     Max altitude     max     2000     Mechanical features       Operating position     normal     Vertical plan     35mm DIN rail     Tightening torque for terminals     35mm DIN rail     min     1.1     max     max     1.2     min     10.6     Terminals tool     Pz 2     Conductor section     Pz 2     Conductor section     Pz 2     Conductor section     IEC     min     min<				
Short circuit rating (IEC)     kA     6       Electrical life     cycles     10000       Power dissipation per pole max     W     2.16       Ambient conditions     W     2.16       Operating temperature     min     °C       Storage temperature     min     °C       Max altitude     max     °C       Max altitude     m     2000       Mechanical features     0     2000       Operating position     min     °C       Fixing     normal     Vertical plan       Tightening torque for terminals     min     1.1       min     1.2     min     10.6       Terminals tool     Pz 2     2     2       Conductor section     IEC     min     min     14       Max     min     14     max     6       Mechanical life     cycles     20000     20000				
Electrical life     cycles     10000       Power dissipation per pole max     W     2.16       Ambient conditions     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     1.1       max     Nm     1.2     min     10.6       Terminals tool     Pz 2     Conductor section     Pz 2     Conductor section       IEC     min     min     14     max     6       Mechanical life     cycles     20000     Veright     9     115       Frontal IP degree     IP20     IP20     IP20     IP20			kΔ	
Power dissipation per pole max     W     2.16       Ambient conditions     min     °C     +40       Operating temperature     min     °C     +40       max     °C     +70        Storage temperature     min     °C     +40       Max altitude     max     °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     1.1       max     Nm     1.2     min     Ibin     9.7        Terminals tool     Pz 2     Pz 2        Pz 2				
Ambient conditions       Operating temperature     min °C - 40 max °C +70       Storage temperature     min °C - 40 max °C +80       Max altitude     m       Mechanical features     m       Operating position     m       Fixing     35mm DIN rail       Tightening torque for terminals     min Nm 1.1 max Nm 1.2 min lbin 9.7 max lbin 10.6       Terminals tool     Pz 2       Conductor section     Pz 2       IEC     min mm² 1 max mm² 16       AW/G/Kcmil     min 14 max 6       Mechanical life     cycles 20000       Veright     g 115       Frontal IP degree     IP20				
Operating temperature     min     °C     -40       max     °C     +70       Storage temperature     min     °C     +40       Max altitude     max     °C     +80       Max altitude     m     2000     40       Max altitude     m     70     50       Operating position     normal     Vertical plan     50       Fixing     35mm DIN rail     11     max     70       Tightening torque for terminals     min     1.1     max     70       Conductor section     IEC     min     max     71     max       AWG/Kcmil     min<			VV	2.10
min     °C     -40 max       Storage temperature     °C     +70       Max altitude     min     °C     -40 max       Max altitude     m     2000       Mechanical features     m     2000       Operating position     normal     Vertical plan       Fixing     35mm DIN rail       Tightening torque for terminals     min     Nm       min     Nm     1.1       max     Nm     1.2       min     Ibin     9.7       max     Ibin     10.6       Terminals tool     P2 2       Conductor section     IEC     min       Max     min     14       Max     6     Mechanical life       Veright     g     115       Frontal IP degree     IP20     IP20				
max     °C     +70       Storage temperature     min     °C     -40       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     1.1       max     Nm     1.2     min     lbin     9.7       min     Ibin     9.7     max     lbin     10.6       Terminals tool     Pz 2     Conductor section     Pz 2     Conductor section     IEC     min <mm²< td="">     1       Max     MG/Kcmil     min     14     max     6       Mechanical life     cycles     20000     Veight     6     115       Frontal IP degree     iP20     iP20     iP20     iP20</mm²<>	Operating temperature	min	°C	40
Storage temperature   min   °C   -40     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   1.1     max   Nm   1.2   min   Ibin   9.7     Terminals tool   pz 2   2   2   2   2     Conductor section   IEC   min   mm²   1     Max   min   14   max   6     Mechanical life   cycles   20000   20000     Veight   g   115   15     Frontal IP degree   IP20   IP20   12				
min     °C     -40 max       Max altitude     m     2000       Mechanical features     m     2000       Operating position     normal     Vertical plan       Fixing     35mm DIN rail       Tightening torque for terminals     min     Nm       min     Nm     1.1       max     Nm     1.2       min     Ibin     9.7       max     Ibin     10.6       Terminals tool     Pz 2       Conductor section     IEC       min     mm²     1       max     mm²     16       AWG/Kcmil     min     14       max     6     15       Mechanical life     cycles     20000       Veight     g     115       Frontal IP degree     IP20     IP20	Chara and tamp a rational	IIIdX	U	+70
max     °C     +80       Max attitude     m     2000       Mechanical features     Operating position     normal     Vertical plan       Fixing     35mm DIN rail     35mm DIN rail       Tightening torque for terminals     min     Nm     1.1       max     Nm     1.2     min     lbin     9.7       Terminals tool     Pz 2     Conductor section     Pz 2     Conductor section     Ibin     10.6       Terminals tool     Pz 2     Conductor section     Pz 2     Conductor section     Ibin     14       Max Mm     14     max     6     Mechanical life     cycles     20000       Weight     g     115     Frontal IP degree     IP20     IP20     IP20	Storage temperature		° <b>0</b>	10
Max altitude     m     2000       Mechanical features     Operating position     normal     Vertical plan       Fixing     35mm DIN rail     35mm DIN rail       Tightening torque for terminals     min     Nm     1.1       max     Nm     1.2     min     Ibin     9.7       Terminals tool     Pz 2     Pz 2     Onductor section     Pz 2     Pz 2 <t< td=""><td></td><td></td><td></td><td></td></t<>				
Mechanical features     Operating position   normal   Vertical plan     Fixing   35mm DIN rail     Tightening torque for terminals   min   Nm   1.1     max   Nm   1.2   min   lbin   9.7     Terminals tool   Pz 2   Conductor section   Pz 2   Conductor section     IEC   min   mm²   1     AWG/Kcmil   min   14   max   6     Mechanical life   cycles   20000   20000     Weight   g   115   15     Frontal IP degree   IP20   IP20   IP20		max		
Operating position   normal   Vertical plan     Fixing   35mm DIN rail     Tightening torque for terminals   min   Nm   1.1     max   Nm   1.2   min   Ibin   9.7     min   Ibin   9.7   max   Ibin   10.6     Terminals tool   Pz 2   Pz 2   Pz 2   Pz 2   Pz 2     Conductor section   IEC   min   mm²   1   max   mm²   16     AWG/Kcmil   min   14   max   6   Pz 2   P			m	2000
normal Vertical plan   Fixing 35mm DIN rail   Tightening torque for terminals min Nm 1.1   max Nm 1.2 min Ibin 9.7   max Ibin 10.6 10.6   Terminals tool Pz 2 2   Conductor section IEC min mm² 1   Max mm² 16 16   AWG/Kcmil min 14 max 6   Mechanical life cycles 20000   Weight g 115   Frontal IP degree IP20				
Fixing     35mm DIN rail       Tightening torque for terminals     min     Nm     1.1       max     Nm     1.2     min     lbin     9.7       max     lbin     10.6     Pz 2     0       Conductor section     IEC     min     mm²     1       AWG/Kcmil     min     14     max     6       Mechanical life     cycles     20000     0       Weight     g     115     115	Operating position			
Tightening torque for terminals     min     Nm     1.1       max     Nm     1.2     min     Ibin     9.7       max     Ibin     10.6     Pz 2     0       Conductor section     IEC     min     mm²     1       AWG/Kcmil     min     116     16       Mechanical life     cycles     20000       Weight     g     115       Frontal IP degree     IP20     IP20		normal		-
min     Nm     1.1       max     Nm     1.2       min     Ibin     9.7       max     Ibin     10.6       Terminals tool     Pz 2       Conductor section     IEC       IEC     min     mm²       AWG/Kcmil     min     14       max     6       Mechanical life     cycles     20000       Weight     g     115       Frontal IP degree     IP20				35mm DIN rail
max     Nm     1.2       min     Ibin     9.7       max     Ibin     10.6       Terminals tool     Pz 2       Conductor section     IEC     min       IEC     min     mm²     1       MWG/Kcmil     min     mm²     16       AWG/Kcmil     min     14     6       Mechanical life     cycles     20000     6       Weight     g     115     115       Frontal IP degree     IP20     IP20     IP20	Tightening torque for terminals			
min     Ibin     9.7       max     Ibin     10.6       Terminals tool     Pz 2       Conductor section     IEC       IEC     min     mm²       AWG/Kcmil     16       Mechanical life     cycles     20000       Weight     g     115       Frontal IP degree     IP20     IP20				
max     Ibin     10.6       Terminals tool     Pz 2       Conductor section     IEC       Min     mm²     1       max     mm²     16       AWG/Kcmil     min     14       max     6     6       Mechanical life     cycles     20000       Weight     g     115       Frontal IP degree     IP20				
Terminals tool     Pz 2       Conductor section     IEC       min     mm²     1       max     mm²     16       AWG/Kcmil     min     14       max     6     6       Mechanical life     cycles     20000       Weight     g     115       Frontal IP degree     IP20     IP20		min		
Conductor section     IEC     min     mm²     1       max     mm²     16     16       AWG/Kcmil     min     14     14       max     6     6       Mechanical life     cycles     20000       Weight     g     115       Frontal IP degree     IP20		max	lbin	
IEC   min   mm²   1     max   mm²   16     AWG/Kcmil   min   14     max   6     Mechanical life   cycles   20000     Weight   g   115     Frontal IP degree   IP20				Pz 2
min     mm²     1       max     mm²     16       AWG/Kcmil     min     14       max     6       Mechanical life     cycles     20000       Weight     g     115       Frontal IP degree     IP20				
max     mm²     16       AWG/Kcmil     min     14       max     6       Mechanical life     cycles     20000       Weight     g     115       Frontal IP degree     IP20	IEC			
AWG/Kcmil   min   14     max   6     Mechanical life   cycles   20000     Weight   g   115     Frontal IP degree   IP20		min		
min max14 6Mechanical lifecycles20000Weightg115Frontal IP degreeIP20		max	mm²	16
max6Mechanical lifecycles20000Weightg115Frontal IP degreeIP20	AWG/Kcmil			
Mechanical lifecycles2000Weightg115Frontal IP degreeIP20		min		
Weight g 115   Frontal IP degree IP20		max		
Frontal IP degree IP20	Mechanical life		cycles	20000
	Weight		g	115
Pollution degree 2	Frontal IP degree			IP20
	Pollution degree			2

Pollution degree



## P1MB1MC04

MINIATURE CIRCUIT BREAKER, 1P+N - 6KA. 1 MODULE, CHARACTERISTIC C, 4A

ENERGY AND AUTOMATION

ENERGY AND AUTOMATION	
Grid distance as per Annex H.1 of IEC/EN60898-1 standard	mm 60
Dimensions	
18 max (0.71" max) (0.71" max)	
Wiring diagrams	
Certifications and compliance Compliance	
IEC/EN 60898-1 IEC/EN 60947-2	
Certifications	
EAC TÜV-Rheinland	
ETIM classification	
ETIM 8.0	EC000042 - Miniature circuit breaker (MCB)