



Product type designation PI MB Number of poles 1P-N Number of poles 1P-N Number of DIN modules 1 1 Compliance EIC Electrical features 7 Rated insulation voltage AC (IEC) VAC 230 Rated generational voltage AC (IEC) VICC 200 Row and Rate Action VICC VICC 200 Resolution VICC VICC VICC VICC VICC VICC VICC VIC	Product designation			Miniature circuit
Number of Dipoles         1P+N           Number of DIN modules         1           Compliance         IEC           Electrical features         V         440           Rated insulation voltage LIE/EN         V         440           Rated insulation voltage LIE/EN         V         40           Rated operational voltage AC (IEC)         VAC         230           Rated insulation voltage AC (IEC)         VAC         230           Rated operational voltage AC (IEC)         VAC         230           Rated current (In)         A         10         Tripping curve         C           Short circuit rating (IEC)         kA         6         Electrical life         cycles         10000           Power dissipation per pole max         W         1.2         50/60         Rated max         *C         +40           Max altitude         min< "C	Product designation			breaker (MCB)
Number of DIN modules         1           Compliance         IEC           Electrical features         IEC           Rated insulation voltage Uinp         KV         4           Rated insulation voltage AC (IEC)         VAC         230           Rated drend voltage AC (IEC)         VAC         230           Store drend voltage AC (IEC)         KA         6           Store drend voltage AC (IEC)         KA         6           Store drend voltage AC (IEC)         KA         6           Power dissipation per pole max         W         1.25           Ambient conditions         U         1.25           Operating temperature         min °C - 40         +70           Storage temperature         min °C - 40         +80           Max altitude         max         7C +80           Mechanical features         Operating position         Some JIN ration in In max           Tightening torque for terminals         IEC         min Mm 1.1				
Compliance         IEC           Electrical leatures         v           Rated insulation voltage UI IEC/EN         V         4           Rated insulation voltage UI IEC/EN         VAC         230           Rated insulation voltage AC (IEC)         VAC         230           Rated operational voltage AC (IEC)         VAC         230           Rated current (In)         A         10         1           Tripping curve         C         Short circuit rating (IEC)         kA         6           Electrical life         cycles         10000         0         0         0           Power dissipation per pole max         W         1.25         Ambient conditions         V         1.25           Ambient conditions         W         1.25         Ambient conditions         V         1.25           Operating temperature         min         *C         +40         max         *C         +40           Max altitude         max         *C         +80         max         *C         +80           Max altitude         max         mmax         *C         +80         max         *T           Tripping position	•			
Electrical features         V         440           Rated insulation voltage Ulimp         kV         4           Rated operational voltage AC (IEC)         VAC         230           Rated frequency         Hz         50/60           Rated operational voltage AC (IEC)         VAC         230           Rated frequency         Hz         50/60           Rated ourrent (In)         A         10           Tripping curve         C         Short circuit rating (IEC)         kA         6           Electrical life         cycles         10000         Power dissipation per pole max         W         1.25           Ambient conditions         W         1.25         Ambient conditions         W         1.25           Operating temperature         min         °C         +40         max         °C         +70           Storage temperature         min         °C         +40         max         °C         +40           Max altitude         m         2000         Mechanical features         W         2000           Tightening torque for terminals         min         Nm         1.1         max         Nm         1.2           Fixing         35mm DIN ra         min         N				-
Rated insulation voltage UI IEC/EN         V         440           Rated impulse withstand voltage Uimp         KV         4           Rated requency         KZ         30           Rated frequency         Hz         50/60           Rated frequency         Hz         50/60           Rated frequency         Hz         50/60           Rated frequency         Hz         50/60           Rated frequency         KA         6           Electrical life         cycles         10000           Power dissipation per pole max         W         1.25           Ambient conditions         W         1.25           Operating temperature         min         *C         +40           max         *C         +80         max         *C         +80           Max atitude         m         2000         Mechanical features         Wetrical plan         55mm DIN ra           Tightening torque for terminals         min         1.1         max         Nm         1.2           Mechanical features         min         Nm         1.2         min         10.6           Triping torque for terminals         min         1.2         min         10.6           Te	·			IEC
Rated impulse withstand voltage Uimp         kV         4           Rated operational voltage AC (IEC)         VAC         230           Rated frequency         Hz         50/60           Rated current (In)         A         10           Tripping curve         C         Short circuit rating (IEC)         kA         6           Electrical life         cycles         10000         Power dissipation per pole max         W         1.25           Ambient conditions         W         1.25         Ambient conditions         W         1.25           Operating temperature         min         °C         -40         max         °C         +70           Storage temperature         min         °C         -40         max         °C         +80           Max altitude         max         °C         +80         max         °C         +80           Mechanical features         min         °C         +40         max         °C         +80           Mechanical features         min         min         °C         +40         max         °C         +80         Nm         1.1         Nm         1.1         max         Nm         1.2         Min         Ibin         1.0				
Rated operational voltage AC (IEC)         VAC         230           Rated frequency         Hz         50/60           Rated current (In)         A         10           Tripping curve         C         Short circuit rating (IEC)         kA         6           Electrical life         cycles         10000         Power dissipation per pole max         W         1.25           Ambient conditions         0         max         °C         +40           Operating temperature         min         °C         +40           Max altitude         m         2000         Mechanical features           Operating position         min         °C         +40           Max altitude         m         2000         Mechanical features           Operating position         min         °C         +80           Max altitude         m         2000         Mechanical features           Tightening torque for terminals         min         Nm         1.1           max         Nm         1.2         min         10.6           Terminals tool         Pz 2         Pz 2         Conductor section         Pz 2           IEC         min         min         14         max <t< td=""><td>-</td><td></td><td></td><td></td></t<>	-			
Rated frequency         Hz         50/60           Rated current (in)         A         10           Tripping curve         C           Short circuit rating (IEC)         KA         6           Electrical life         cycles         10000           Power dissipation per pole max         W         1.25           Ambient conditions         0         max         °C           Operating temperature         min         °C         -40           max         °C         -40         max         °C           Max altitude         m         2000         Mechanical features         0         0           Operating position         normal         Vertical plan         35mm DIN ra         11           Fixing         35mm DIN ra         1.2         min         10.6           Terminals tool         P2 2         Conductor section         P2 2         Conductor section         16           AWG/Kcmil         min         14         max         6         Mechanical life         2000				
Rated current (in)         A         10           Tripping curve         C           Short circuit rating (IEC)         kA         6           Electrical life         cycles         10000           Power dissipation per pole max         W         1.25           Ambient conditions         W         1.25           Operating temperature         min         °C         -40           max         °C         +70           Storage temperature         min         °C         -40           max         °C         +80         max         °C           Max altitude         m         2000         Mechanical features         mormal         Vertical plan           Fixing         normal         Vertical plan         35mm DIN re         min         1.1           Tightening torque for terminals         min         Nm         1.2         min         10.6           Terminals tool         P2 2         Conductor section         P2 2         Conductor section         P2 2         Conductor section         14         max         6           Mechanical life         cycles         20000         Weight         g         115           Frontal IP degree         IP20				
Tripping curve         C           Short circuit rating (IEC)         kA         6           Electrical life         cycles         10000           Power dissipation per pole max         W         1.25           Ambient conditions         W         1.25           Operating temperature         min         °C         -40           max         °C         -40         max         °C         -40           Max altitude         m         °C         -40         max         °C         +80           Max altitude         m         2000         Mechanical features         Operating position         mmmal         Vertical plan           Fixing         normal         Vertical plan         35mm DIN re         1.1           Tightening torque for terminals         min         Nm         1.2           Tightening torque for terminals         min         Nm         1.2           Max         Ibin         9.6         P2.2         Conductor section           IEC         min         min         mm         14           Max         6         Mechanical life         cycles         20000           Weight         g         115         Frontal IP degree				
Short circuit rating (IEC)       kA       6         Electrical life       cycles       10000         Power dissipation per pole max       W       1.25         Ambient conditions       0       0         Operating temperature       min       °C       -40         max       °C       -40       max       °C       -40         Max altitude       max       °C       -40       max       °C       -40         Max altitude       max       °C       -40       max       °C       -40         Operating position       min       °C       -40       max       °C       +80         Max altitude       m       2000       Mechanical features       0			A	
Electrical life         cycles         10000           Power dissipation per pole max         W         1.25           Ambient conditions         min         °C         -40           max         °C         +70           Storage temperature         min         °C         -40           max         °C         +80         max         °C         +80           Max altitude         m         2000         max         °C         +80           Mechanical features         m         2000         Storage temperature         35mm DIN ra           Fixing         35mm DIN ra         35mm DIN ra         1.1         max         Nm         1.2           Fixing         35mm DIN ra         10.6         Pz 2         2         Conductor section         Pz 2         Conductor section         min         14         max         6           Mechanical life         cycles         20000         Weight         g         115         Frontal IP degree         IP20				
Power dissipation per pole max         W         1.25           Ambient conditions         min         °C         +40           Operating temperature         min         °C         +70           Storage temperature         min         °C         +40           Max attitude         max         °C         +40           Max attitude         m         2000         Mechanical features           Operating position         m         2000         Mechanical features           Tightening torque for terminals         min         Nm         1.1           max         Nm         1.2         min         10.6           Terminals tool         Pz 2         Pz 2         Conductor section         Pz 2           Conductor section         IEC         min         min         14           Max         min         14         6           Mechanical life         cycles         20000         Weight         g         115           Frontal IP degree         IP20         IP20         IP20         IP20				
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 attitude         m 2000           Mechanical features         m           Operating position         mormal           Fixing         35mm DIN re           Tightening torque for terminals         min Nm 1.1 max Nm 1.2 min Ibin 9.7 max Ibin 10.6           Terminals tool         Pz 2           Conductor section         Pz 2           IEC         min mm² 1 max mm² 16           AWG/Kcmil         min 14 max 6           Mechanical life         cycles 20000           Weight         g 115           Frontal IP degree         IP20				
Operating temperature         min or C and			W	1.25
min         °C         -40 max           °C         +70           Storage temperature         min         °C         -40 max           Max altitude         max         °C         +80           Max altitude         max         °C         +80           Mechanical features         0         2000           Operating position         normal         Vertical plan           Fixing         35mm DIN re           Tightening torque for terminals         min         Nm           min         Ibin         9.7           max         Ibin         10.6           Terminals tool         P2 2           Conductor section         IEC         min         mm           Max         MG/Kcmil         min         14           max         6         6           Mechanical life         cycles         20000           Weight         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 re         35mm DIN re           Tightening torque for terminals         min         Nm         1.1           max         Nm         1.2         min         Ibin         9.7           Tightening torque for terminals         min         10.6         E         22           Conductor section         IEC         max         mm²         1           Max         min         14         max         6           Mechanical life         cycles         20000         20000           Weight         g         115         15           Frontal IP degree         IP20         IP20         IP20	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           Fixing         35mm DIN ra         35mm DIN ra         35mm DIN ra           Tightening torque for terminals         min         Nm         1.1           max         Nm         1.2         min         Ibin         9.7           Tightening torque for terminals         min         10.6         Pz 2         Conductor section         Pz 2         Conductor section         Pz 2         Conductor section         Pz 2         Conductor section         min         min         14         max         6         Mechanical life         6         Mechanical life         20000         Weight         g         115         Frontal IP degree         IP20         IP20 <t< td=""><td></td><td>min</td><td></td><td></td></t<>		min		
min         °C         -40           max         °C         +80           Max altitude         m         2000           Mechanical features         m         2000           Operating position         normal         Vertical plan           Fixing         35mm DIN ra         35mm DIN ra           Tightening torque for terminals         min         Nm         1.1           max         Nm         1.2         min         Ibin         9.7           max         Ibin         9.7         max         Ibin         10.6           Terminals tool         P2 2         Conductor section         P2 2         Conductor section         IEC         min         mm²         1           AWG/Kcmil         min         14         max         6         Mechanical life         Cycles         20000           Weight         g         115         Frontal IP degree         IP20         IP20         IP20		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 ra         35mm DIN ra           Tightening torque for terminals         min         Nm         1.1           max         Nm         1.2         min         Ibin         9.7           Terminals tool         Pz 2         7		min		
Mechanical features         Operating position         Fixing       35mm DIN ra         Tightening torque for terminals       min       Nm       1.1         max       Nm       1.2       min       Ibin       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       Weight       g       115         Frontal IP degree       IP20       IP20       IP20       IP20		max	°C	
Operating position       normal       Vertical plan         Fixing       35mm DIN ra         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       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			m	2000
normal     Vertical plan       Fixing     35mm DIN ra       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       MWG/Kcmil     min     14     max     6       Mechanical life     cycles     20000       Weight     g     115       Frontal IP degree     IP20				
Fixing         35mm DIN ra           Tightening torque for terminals         min         Nm         1.1           max         Nm         1.2         min         Ibin         9.7           max         Ibin         10.6         max         Ibin         10.6           Terminals tool         Pz 2         Pz 2 <td< td=""><td>Operating position</td><td></td><td></td><td></td></td<>	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         0           Conductor section         IEC         min         mm²         1           AWG/Kcmil         min         14         max         6           Mechanical life         cycles         20000         0           Weight         g         115         15           Frontal IP degree         IP20         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         min           IEC         min         mm²         1           MWG/Kcmil         min         14         max         6           Mechanical life         cycles         20000         Weight         g         115           Frontal IP degree         IP20         IP20         IP20         IP20         IP20				35mm DIN rail
max         Nm         1.2           min         Ibin         9.7           max         Ibin         10.6           Terminals tool         Pz 2           Conductor section         IEC         min         mm²         1           Mechanical life         Mechanical life         6         6           Mechanical life         g         115           Frontal IP degree         IP20         IP20	Tightening torque for terminals			
min maxIbin lbin9.7 10.6Terminals toolPz 2Conductor sectionIECIECmin maxmm² 16AWG/Kcmil16Mechanical lifecyclesMechanical lifecycles20000WeightgFrontal IP degreeIP20		min		
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		max		
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		min		
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		max	Ibin	
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				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				
Weight     g     115       Frontal IP degree     IP20		max		
Frontal IP degree IP20			cycles	
	Weight		g	
Pollution degree 2				
	Pollution degree			2

P1MB1MC10



## P1MB1MC10

LEITUNGSSCHUTZSCHALTER 1P+N 10A 6KA C-CHARACTERISTIC

ENERGY AND AUTOMATION

## Grid distance as per Annex H.1 of IEC/EN60898-1 standard mm 60 Dimensions 18 max (0.71" max) 60 (2.36") **-**45 (1.77")- $\bigcirc$ C 0 45 max \_ 86.5 max " may .38" $\bigcirc$ 35 00 0 4 5.52 (0.22") \_\_\_\_74 max (2.91" 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)