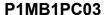




Product type designation         Figure 1         Miniature circuits breaker (MS)           Product type designation         1 P1 MB           Number of poles         1 P2           Number of poles         1 P3           Number of DIM modules         1 EC/ UL1077           Compliance         IEC / UL1077           Electrical features         V         440           Rated inputise withstand voltage Ulmp         KV         230           Rated operational voltage AC (IEC)         VDC         80           Rated operational voltage DC         VDC         80           Rated drequency         L         5         60           Rated current (In)         A         3         1         7         7         1         1         2         2         1         2         2         1         2				
Product type designation	Draduat designation			Miniature circuit
Number of DiN modules         1 P           Compliance         1 EC / UL 1077           Electrical features         IEC / UL 1077           Rated insulation voltage Uil EC/EN         V 440           Rated insulation voltage Uimp         kV 230           Rated operational voltage DC         VDC 80           Rated operational voltage DC         VDC 80           Rated operational voltage DC         L 250/60           Rated frequency         L 3 3           Tripping curve         L 2 50/60           Short circuit rating (IEC)         KA 10           Electrical life         cycles 10000           Power dissipation per pole max         W 96           Ambient conditions         min °C 40           Operating temperature         min °C 440           Max altitude         m 2000           Mechanical features         m 2000           Operating position         mm 2000           Mechanical features         mm 2000           Operating position         mm 2000           Elixing         35mm DIN rail           Tightening torque for terminals         min 8mx N 2 2 min 10 min	Froduct designation			breaker (MCB)
Number of DIN modules	Product type designation			P1 MB
Compliance   Section   S	Number of poles			1P
Electrical features         V         440           Rated insulation voltage Uimp         kV         4           Rated operational voltage C(IEC)         VAC         230           Rated operational voltage DC         VDC         80           Rated operational voltage DC         Hz         50/60           Rated current (In)         A         3           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         0.96           Ambient conditions         W         0.96           Operating temperature         min         °C         -40           Max attitude         m         2000           Mechanical features         m         2000           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2         2           Conductor section         min         nm         1.8           AWG/Kcmil         min         min         1.4 </td <td>Number of DIN modules</td> <td></td> <td></td> <td>1</td>	Number of DIN modules			1
Rated insulation voltage Ui IEC/EN	Compliance			IEC / UL1077
Rated impulse withstand voltage Ulimp         kV         4           Rated operational voltage AC (IEC)         VAC         230           Rated operational voltage DC         VDC         80           Rated frequency         Hz         50/60           Rated current (In)         A         3           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         0.96           Ambient conditions         W         0.96           Operating temperature         min         °C         -40           max         °C         +70           Storage temperature         min         °C         -40           Max altitude         m         2000           Mechanical features         w         Vertical plan           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2         2           Conductor section         min         mm         1 <td>Electrical features</td> <td></td> <td></td> <td></td>	Electrical features			
Rated operational voltage DC         VAC         230           Rated frequency         Hz         50/60           Rated frequency         Hz         50/60           Rated current (In)         A         3           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         0.96           Ambient conditions         W         0.96           Operating temperature         min         °C         -40           Max altitude         m         2000           Mechanical features         min         200         -40           Operating position         normal         Vertical plan	Rated insulation voltage Ui IEC/EN		V	440
Rated operational voltage DC         VDC         80           Rated frequency         Hz         50/60           Rated current (In)         A         3           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         0.96           Ambient conditions         W         0.96           Operating temperature         min         °C         -40           Max         °C         +70           Storage temperature         min         °C         -40           Max altitude         max         °C         +80           Mechanical features         Operating position         Vertical plan           Fixing         35mm DIN rail         Tightening torque for terminals         min         Nm         1.8           Fixing         min         Nm         1.8         max         Nm         2           Tightening torque for terminals         min         lin         11.7         1.6         min         16         1.7         1.7         1.7         1.7         1.7         1.7         1.7         1.7	Rated impulse withstand voltage Uimp		kV	4
Rated frequency         Hz         50/60           Rated current (In)         A         3           Tripping curve         C         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         0.96           Ambient conditions         W         0.96           Ambient conditions         To 40         Max (2)         40           Operating temperature         min         °C         -40         ***           Storage temperature         min         °C         -40         ***	Rated operational voltage AC (IEC)		VAC	230
Rated current (in)         A         3           Tripping curve         C           Short circuit rating (IEC)         KA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         0.96           Ambient conditions         W         0.96           Operating temperature         min         °C         -40           max         °C         +70           Storage temperature         min         °C         -40           Max altitude         m         2000           Mechanical features         m         2000           Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2         2           Conductor section         min         nm         2           Lect         min         mm         2           Lect         min         mm         2           Conductor section         min         mm         1         4           AWG/Kcmil <td>Rated operational voltage DC</td> <td></td> <td>VDC</td> <td>80</td>	Rated operational voltage DC		VDC	80
Tripping curve         C           Short circuit rating (IEC)         kA         10           Electrical life         cycles         100000           Power dissipation per pole max         w         0.96           Ambient conditions         min         °C         -40           Operating temperature         min         °C         -40           Max a cc         +80         max         °C         -40           Max altitude         m         2000           Mechanical features         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2         min         lbin         17.7           Terminals tool         min         mm         2         2           Conductor section         IEC         min         mm²         1         mm²         3         3           AWG/Kcmil         min         min         min         min         min         14         min         min         6           Mechanical life         cycle         20000         20000         20000         20000         20000 <td< td=""><td>Rated frequency</td><td></td><td>Hz</td><td>50/60</td></td<>	Rated frequency		Hz	50/60
Short circuit rating (IEC)         kA         10           Electrical life         cycles         10000           Power dissipation per pole max         W         0.96           Ambient conditions         Operating temperature           min         °C         -40           max         °C         +70           Storage temperature         min         °C         -40           Max altitude         m         2000           Mechanical features         Operating position         normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           max         Nm         2         nin         10n         1.8           result of the properties of th	Rated current (In)		Α	3
Electrical life	Tripping curve			С
Power dissipation per pole max	Short circuit rating (IEC)		kA	10
Ambient conditions	Electrical life		cycles	10000
Operating temperature         min max         °C valous valou	Power dissipation per pole max		W	0.96
Min	Ambient conditions			
Max   C   +70	Operating temperature			
Storage temperature         min max         °C max         -40 max         °C max         +80 max         Moderation		min	°C	-40
Max altitude         min max         °C +80           Max altitude         m 2000           Mechanical features           Operating position           Fixing         Journal of Normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals           min Nm 1.8 max Nm 2 min 10 lbin 16 max Nm 2 min 17.7           Terminals tool         Pz 2           Conductor section           IEC           min mm² 1 mm² 35           AWG/Kcmil         min min 14 max 6           Mechanical life         cycles 20000           Weight         g 115		max	°C	+70
Max altitude         max         °C         +80           Mechanical features         Operating position           normal         Vertical plan           Fixing         35mm DIN rail           Tightening torque for terminals           min         Nm         1.8           max         Nm         2           min         lbin         17.7           Terminals tool         Pz 2           Conductor section         Pz 2           Conductor section         min         mm²         1           AWG/Kcmil         min         mm²         35           AWG/Kcmil         min         14         max         6           Mechanical life         cycles         20000           Weight         g         115	Storage temperature			
Max altitude         m         2000           Mechanical features           Operating position           Fixing         35mm DIN rail           Tightening torque for terminals         min         Nm         1.8           min         Nm         2           Terminals tool         Pz 2           Conductor section           IEC         min         mm²         1           AWG/Kcmil         min         14           max         min		min	°C	-40
Mechanical features           Operating position           Fixing         35mm DIN rail           Tightening torque for terminals           min Nm Nm 1.8 max Nm 2 mm 2 lbin 16 max lbin 16 max lbin 17.7           Terminals tool         Pz 2           Conductor section           IEC         min mm² 1 nm² 1 nm² 35           AWG/Kcmil         min max mm² 35           AWG/Kcmil         min min nm² 14 max 6         Mechanical life         cycles 20000         Weight         g 115		max	°C	+80
Operating position           Fixing         35mm DIN rail           Tightening torque for terminals           min Nm Nm 1.8 max Nm 2 min Ibin 16 max Ibin 17.7           Terminals tool         Pz 2           Conductor section         IEC         min mm² 1 and max mm² 35           AWG/Kcmil         min min min mm² 14 max 6         Mechanical life         cycles 20000           Weight         g 115	Max altitude		m	2000
Fixing         Journals           Tightening torque for terminals           min kmax         Nm         1.8           max         Nm         2           min kmin         lbin         16           max         lbin         17.7           Terminals tool         Pz 2           Conductor section         IEC         min kmax         14           AWG/Kcmil         min kmax         14           Mechanical life         cycles         20000           Weight         g         115	Mechanical features			
Fixing         35mm DIN rail           Tightening torque for terminals         min Nm 1.8 max Nm 2 min lbin 16 max lbin 17.7           Terminals tool         Pz 2           Conductor section         Pz 2           IEC         min mm² nm² 1 max mm² 35           AWG/Kcmil         min max mm² 6           Mechanical life         cycles 20000           Weight         g 115	Operating position			
Tightening torque for terminals		normal		Vertical plan
Mechanical life   Min   Nm   1.8   max   Nm   2   min   lbin   16   max   lbin   17.7     Terminals tool   Pz 2   Terminals tool   Pz 2   Terminals tool   Pz 2   Terminals tool   Terminals tool   Terminals tool   Terminals tool   Pz 2   Terminals tool   Termi	Fixing			35mm DIN rail
Mechanical life   Max   Nm   2   min   lbin   16   max   lbin   17.7	Tightening torque for terminals			
Mechanical life   min max   lbin   16 max   lbin   17.7		min	Nm	1.8
Terminals tool		max	Nm	2
Terminals tool   Pz 2		min	lbin	16
Conductor section   IEC		max	lbin	17.7
Fig. 1   Fig. 2   F	Terminals tool			Pz 2
Mechanical life         min mx         mm² mm² mm² mm² 35           Mechanical life         cycles         20000           Weight         g         115	Conductor section			_
AWG/Kcmil         max         mm²         35           min max         14 max         6           Mechanical life         cycles         20000           Weight         g         115	IEC			
AWG/Kcmil           min max         14 max         6           Mechanical life         cycles         20000           Weight         g         115		min	mm²	1
min max         14 max           Mechanical life         cycles         20000           Weight         g         115		max	mm²	35
Mechanical life         max         6           Weight         cycles         20000           g         115	AWG/Kcmil			
Mechanical lifecycles20000Weightg115		min		14
Weight g 115		max		6
	Mechanical life		cycles	20000
	Weight		g	115
	Frontal IP degree			IP20





**ENERGY AND AUTOMATION** 

## DISJONCTEURS MINIATURES MAGNETOTERMIQUE 1 MOD 1P C 3A 10KA

Pollution degree 2 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 EC000042 -ETIM 8.0 Miniature circuit breaker (MCB)