



Product designation

Miniature circuit
breaker (MCB)

Product type designation

P1 MB

Number of poles

1P

Number of DIN modules

1

Compliance

IEC / UL1077

Electrical features

Rated insulation voltage U_i IEC/EN	V	440
Rated impulse withstand voltage U_{imp}	kV	4
Rated operational voltage AC (IEC)	VAC	230
Rated operational voltage DC	VDC	80
Rated frequency	Hz	50/60
Rated current (I_n)	A	40
Tripping curve		B
Short circuit rating (IEC)	kA	10
Electrical life	cycles	10000
Power dissipation per pole max	W	3.84

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		normal	Vertical plan
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			
IEC	min	mm ²	1
	max	mm ²	35
AWG/Kcmil	min		14
	max		6
Mechanical life		cycles	20000
Weight		g	115
Frontal IP degree			IP20

Pollution degree	2
Grid distance as per Annex H.1 of IEC/EN60898-1 standard	mm 60

Dimensions



Wiring diagrams



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

ETIM 8.0

EC000042 -
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