



Product designation

Miniature circuit
breaker (MCB)

Product type designation

P1 MB

Number of poles

3P

Number of DIN modules

3

Compliance

IEC / UL489

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	230/400
Rated operational voltage AC (UL)	V	480Y/277
Rated frequency	Hz	50/60
Rated current (I_n)	A	12
Tripping curve		C
Short circuit rating (IEC)	kA	10
Short circuit rating (UL)	kA	10
Electrical life	cycles	10000
Power dissipation per pole max	W	1.69

Ambient conditions

Operating temperature

min	°C	-40
max	°C	+70

Storage temperature

min	°C	-40
max	°C	+80

Max altitude

m	2000
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Mechanical features

Operating position

normal	Vertical plan
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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

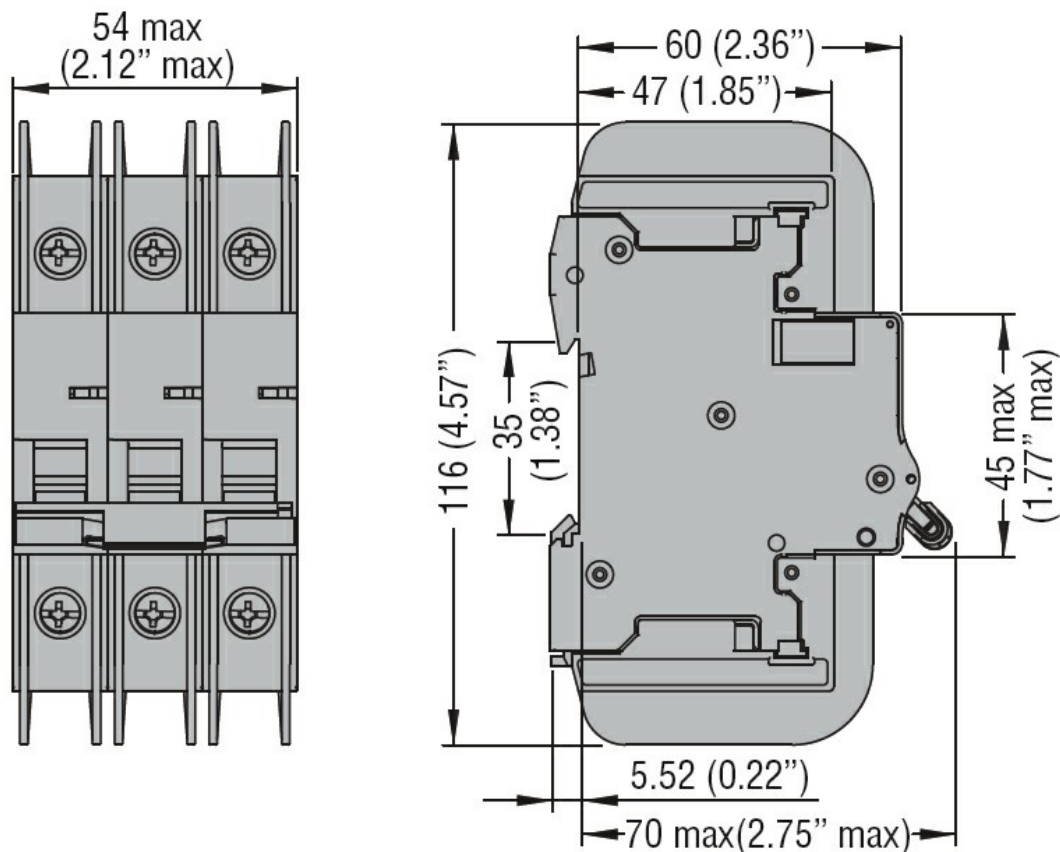
cycles 20000

Weight

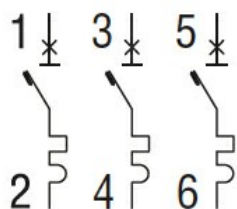
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Frontal IP degree	IP20
Pollution degree	2

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 60947-2

UL489

Certifications

cULus

EAC

ETIM classification

ETIM 8.0

EC000042 -
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