



| Product designation Ministure circuit bineaser (MCB) Product type designation 1 P1 MB Number of Dils modules 4 P Compliance 1 EC / UL1077 Electrical features IEC / UL1077 Rated insulation voltage Uil EC/EN V 440 Rated impulse withstand voltage Ulimp kV 4 Rated derenational voltage AC (IEC) NAC 230/400 Rated frequency Hz 50/60 Rated current (In) A 10 Tripping curve C C Short circuit rating (IEC) kA 10 Electrical lifle cycles 10000 Power dissipation per pole max W 1.25 Ambient conditions W 1.25 Storage temperature min °C 40 Poperating lemperature min °C 40 Max altitude m 2000 Mechanical features min Nm 2 Poperating position normal in 10 10 <th></th> <th></th> <th></th> <th></th> | | | | |
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| Product type designation | Product decignation | | | Miniature circuit |
| Number of poles 4P Number of DIN modules 4P Compliance IEC / UL 1077 Electrical features IEC / UL 1077 Rated insulation voltage Ui IEC/EN V 440 Rated insulation voltage Uimp kV 4 Rated operational voltage C(IEC) VAC 230/400 Rated frequency Hz 50/60 Rated frequency KA 10 Rated frequency KA 10 Short circuit rating (IEC) KA 10 Electrical life c 10000 Power dissipation per pole max W 1,25 Ambient conditions W 1,25 Operating temperature min °C -40 Max °C -40 -40 Max altitude max °C -40 Mechanical features Vertical plan | 1 Toddot designation | | | ` , |
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| Rated impulse withstand voltage Ulimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated frequency HZ 50/60 Rated current (In) A 10 Tripping curve C C Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 1.25 Ambient conditions W 1.25 Operating temperature min °C -40 Storage temperature min °C -40 Max altitude max °C +80 Mechanical features min °C -40 Operating position normal Vertical plan Fixing 35mm DIN rail Fixing min Nm 1.8 Nm 2 Fixing min Nm 2 nm Nm 2 nm 1 nm Nm 2 nm 1 nm nm nm | | | | |
| Rated operational voltage AC (IEC) VAC 230/400 Rated frequency Hz 50/60 Rated current (In) A 10 Tripping curve C C Short circuit rating (IEC) kA 10 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 altitude m 2000 Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min lim 1.8 max Nm 2 1.8 max lim 1.7 7 Terminals tool min lim 1.7 7 Terminals tool min min min m | Rated insulation voltage Ui IEC/EN | | V | 440 |
| Rated frequency Hz 50/60 Rated current (In) A 10 Tripping curve C C Short circuit rating (IEC) KA 10 Electrical life cycles 10000 Power dissipation per pole max W 1.25 Ambient conditions min °C -40 Coperating temperature min °C -40 Max °C -40 -40 | Rated impulse withstand voltage Uimp | | kV | 4 |
| Rated current (in) A 10 Tripping curve C Short circuit rating (IEC) KA 10 Electrical life cycles 10000 Power dissipation per pole max W 1.25 Ambient conditions Operating temperature min °C -40 max °C +70 Storage temperature Max altitude min °C -40 Mechanical features min °C -40 Operating position normal Vertical plan vertical plan Fixing 35mm DIN rail stripping plan vertical plan Fixing normal Vertical plan vertical plan Fixing normal Nm 1.8 Fixing normal vertical plan Fixing normal p. vertical plan Fixing normal normal p. vertical plan Fixing normal normal </td <td>Rated operational voltage AC (IEC)</td> <td></td> <td>VAC</td> <td>230/400</td> | Rated operational voltage AC (IEC) | | VAC | 230/400 |
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| Short circuit rating (IEC) kA 10 Electrical life cycles 100000 Power dissipation per pole max W 1.25 Ambient conditions Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 max °C +80 Max altitude min °C -480 Max altitude m rowspan="2">m rowspan="2" | Rated current (In) | | Α | 10 |
| Electrical life cycles 10000 Power dissipation per pole max W 1.25 Amblent conditions | Tripping curve | | | С |
| Power dissipation per pole max | Short circuit rating (IEC) | | kA | 10 |
| Ambient conditions | Electrical life | | cycles | 10000 |
| Operating temperature min mmx occ +40 mmx occ +470 Storage temperature min occ +40 mmx occ +480 Max altitude m 2000 Mechanical features Operating position normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm 1.8 max mm lbin 16 max lbin 17.7 Terminals tool p 2 Conductor section IEC min mm² 1 mm² 1 mm² 35 AWG/Kcmil min mm² 14 max 5 AWG/Kcmil min min mm² 1 mmx 14 min min mm² 1 mmx 14 min min mm² 1 mmx 14 min min mmx 1 mmx 14 min min min mmx 1 mmx 14 min min mmx 1 mmx 14 min min min mmx 1 mmx 14 min min min min mmx 1 mmx 14 min | Power dissipation per pole max | | W | 1.25 |
| Minimax C 40 max C 470 max C 480 max C 4 | Ambient conditions | | | |
| Storage temperature min min c c c colspan="2">c c colspan="2">c c colspan="2">c c colspan="2">c c colspan="2">c colspan= | Operating temperature | | | |
| Storage temperature | | min | °C | -40 |
| Max altitude min max °C +80 Max altitude m 2000 Mechanical features normal Vertical plan Fixing 35mm DIN rail Tightening torque for terminals min Nm Nm 1.8 max Nm 2 Tightening torque for terminals min max Nm 2 parameter in plan 1.8 Terminals tool p 2 Conductor section IEC min mm² mm² 1 1 max mm² 35 AWG/Kcmil min max in plan 14 14 14 14 | | 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 lin 1.6 max lin 1.7.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 AWG/Kcmil min mm² 35 AWG/Kcmil min 14 min 14 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20 IP20 | Storage temperature | | | _ |
| 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 2 min lbin 16 3 2 3 Terminals tool pz 2 | | min | °C | -40 |
| Mechanical features Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm Nm 1.8 max Nm 2 max Nm 2 max Nm 2 max Nm 16in 16 max 1bin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 max mm² 35 AWG/Kcmil min 14 max 6 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20 | | max | °C | +80 |
| Operating position Fixing 35mm DIN rail Tightening torque for terminals min Nm Nm 1.8 max Nm 2 min lbin 16 max lbin 17.7 Terminals tool Pz 2 Conductor section IEC min mm² 1 nm² 35 AWG/Kcmil min max mm² 35 AWG/Kcmil min max nm² 6 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20 | Max altitude | | m | 2000 |
| Fixing 35mm DIN rail Tightening torque for terminals min Mm | Mechanical features | | | |
| Fixing 35mm DIN rail Tightening torque for terminals min kmax km Nm 1.8 kmax kmax km 2 kmax kmax kmax kmax kmax kmax kmax kmax | Operating position | | | |
| 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 mm² 1 mm² 35 AWG/Kcmil min 14 max 6 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20 | | normal | | Vertical plan |
| Mechanical life Max Mm 1.8 max Nm 2 min lbin 16 max lbin 17.7 Terminals tool Pz 2 Terminals tool Pz 2 Terminals Terminals | Fixing | | | 35mm DIN rail |
| Max Nm 2 min Ibin 16 max Ibin 17.7 | Tightening torque for terminals | | | |
| min min max Ibin libin lib | | min | Nm | 1.8 |
| Terminals tool | | max | Nm | 2 |
| Terminals tool | | min | lbin | 16 |
| Conductor section IEC min mm² 1 max mm² 35 | | max | lbin | 17.7 |
| IEC | Terminals tool | | | Pz 2 |
| Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20 | Conductor section | | | |
| AWG/Kcmil max mm² 35 min max 14 6 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20 | IEC | | | |
| AWG/Kcmil min max 14 max 6 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20 | | min | mm² | |
| min max 14 max Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20 | | max | mm² | 35 |
| Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20 | AWG/Kcmil | | | |
| Mechanical lifecycles20000Weightg460Frontal IP degreeIP20 | | min | | |
| Weight g 460 Frontal IP degree IP20 | | max | | |
| Frontal IP degree IP20 | Mechanical life | | cycles | 20000 |
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| | Pollution degree | | | 2 |



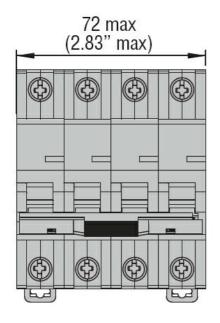
ENERGY AND AUTOMATION

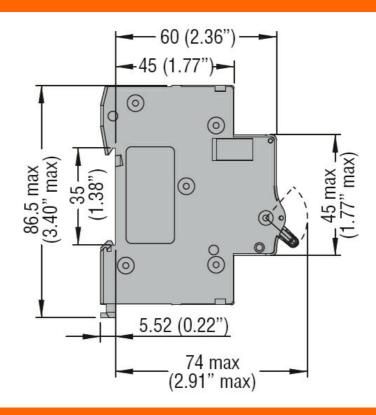
Grid distance as per Annex H.1 of IEC/EN60898-1 standard

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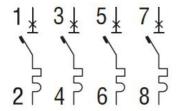
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Dimensions





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 -Miniature circuit breaker (MCB)