



ENERGY AND AUTOMATION

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|--|--|----------------------------------|---|
| Product designation | | | Miniature circuit breaker (MCB) |
| Product type designation | | | P1 MB |
| Number of poles | | | 2P |
| Number of DIN modules | | | 2 |
| Compliance | | | IEC / UL1077 |
| Electrical features | | | |
| Rated insulation voltage Ui IEC/EN | | V | 440 |
| Rated impulse withstand voltage Uimp | | kV | 4 |
| Rated operational voltage AC (IEC) | | VAC | 230/400 |
| Rated operational voltage DC | | VDC | 80 |
| Rated frequency | | Hz | 50/60 |
| Rated current (In) | | Α | 1.6 |
| Tripping curve | | | С |
| Short circuit rating (IEC) | | kA | 10 |
| Electrical life | | cycles | 10000 |
| Power dissipation per pole max | | W | 1.07 |
| 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 |
| Operating position Fixing | normal | | Vertical plan 35mm DIN rail |
| Operating position | normal | | 35mm DIN rail |
| Operating position Fixing | normal min | Nm | 35mm DIN rail |
| Operating position Fixing | min max | Nm | 35mm DIN rail 1.8 2 |
| Operating position Fixing | min max min | Nm Ibin | 35mm DIN rail 1.8 2 16 |
| Operating position Fixing Tightening torque for terminals | min max | Nm | 35mm DIN rail 1.8 2 16 17.7 |
| Operating position Fixing Tightening torque for terminals Terminals tool | min max min | Nm Ibin | 35mm DIN rail 1.8 2 16 |
| Fixing Tightening torque for terminals Terminals tool Conductor section | min max min | Nm Ibin | 35mm DIN rail 1.8 2 16 17.7 |
| Operating position Fixing Tightening torque for terminals Terminals tool | min max min max | Nm Ibin Ibin | 35mm DIN rail 1.8 2 16 17.7 Pz 2 |
| Fixing Tightening torque for terminals Terminals tool Conductor section | min max min max | Nm Ibin Ibin | 35mm DIN rail 1.8 2 16 17.7 Pz 2 |
| Fixing Tightening torque for terminals Terminals tool Conductor section IEC | min max min max | Nm Ibin Ibin | 35mm DIN rail 1.8 2 16 17.7 Pz 2 |
| Fixing Tightening torque for terminals Terminals tool Conductor section | min max min max min max | Nm Ibin Ibin | 35mm DIN rail 1.8 2 16 17.7 Pz 2 |
| Fixing Tightening torque for terminals Terminals tool Conductor section IEC | min max min max min max | Nm Ibin Ibin | 35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 |
| Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil | min max min max min max | Nm Ibin Ibin mm² mm² | 35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 |
| Operating position Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life | min max min max min max | Nm Ibin Ibin mm² mm² | 35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 |
| Operating position Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight | min max min max min max | Nm Ibin Ibin mm² mm² | 35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 230 |
| Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight Frontal IP degree | min max min max min max | Nm Ibin Ibin mm² mm² | 35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 230 IP20 |
| Operating position Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight Frontal IP degree Pollution degree | min max min max min max | Nm Ibin Ibin Ibin cycles | 35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 230 IP20 2 |
| Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight Frontal IP degree Pollution degree Grid distance as per Annex H.1 of IEC/EN60898-1 standard | min max min max min max | Nm Ibin Ibin mm² mm² | 35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 230 IP20 |
| Operating position Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight Frontal IP degree Pollution degree | min max min max min max | Nm Ibin Ibin Ibin cycles | 35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 230 IP20 2 60 |
| Operating position Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight Frontal IP degree Pollution degree Grid distance as per Annex H.1 of IEC/EN60898-1 standard ETIM classification | min max min max min max | Nm Ibin Ibin Ibin cycles | 35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 230 IP20 2 60 EC000042 - |
| Fixing Tightening torque for terminals Terminals tool Conductor section IEC AWG/Kcmil Mechanical life Weight Frontal IP degree Pollution degree Grid distance as per Annex H.1 of IEC/EN60898-1 standard | min max min max min max | Nm Ibin Ibin Ibin cycles | 35mm DIN rail 1.8 2 16 17.7 Pz 2 1 35 14 6 20000 230 IP20 2 60 |