

1P - 10kA 1 module



P1 MB 1P...



| Order code | Curve | IEC In | IEC Icn | N° of DIN modules | Qty per pkg | Wt |
|------------|-------|--------|---------|-------------------|-------------|------|
| | Type | [A] | [kA] | | n° | [kg] |

Single pole, thermal and magnetic trip type, B-type characteristic.

| | | | | | | |
|--------------|---|----|----|---|----|-------|
| P1 MB 1P B01 | B | 1 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P B02 | B | 2 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P B04 | B | 4 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P B06 | B | 6 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P B10 | B | 10 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P B16 | B | 16 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P B20 | B | 20 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P B25 | B | 25 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P B32 | B | 32 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P B40 | B | 40 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P B50 | B | 50 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P B63 | B | 63 | 10 | 1 | 12 | 0.115 |

Single pole, thermal and magnetic trip type, C-type characteristic.

| | | | | | | |
|--------------|---|----|----|---|----|-------|
| P1 MB 1P C01 | C | 1 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P C02 | C | 2 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P C04 | C | 4 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P C06 | C | 6 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P C10 | C | 10 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P C16 | C | 16 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P C20 | C | 20 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P C25 | C | 25 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P C32 | C | 32 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P C40 | C | 40 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P C50 | C | 50 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P C63 | C | 63 | 10 | 1 | 12 | 0.115 |

Single pole, thermal and magnetic trip type, D-type characteristic.

| | | | | | | |
|--------------|---|----|----|---|----|-------|
| P1 MB 1P D01 | D | 1 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P D02 | D | 2 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P D04 | D | 4 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P D06 | D | 6 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P D10 | D | 10 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P D16 | D | 16 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P D20 | D | 20 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P D25 | D | 25 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P D32 | D | 32 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P D40 | D | 40 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P D50 | D | 50 | 10 | 1 | 12 | 0.115 |
| P1 MB 1P D63 | D | 63 | 10 | 1 | 12 | 0.115 |

NOTE: Supplementary Protectors per UL1077 / CSA C22-2 n°235.

General characteristics

These devices are used to protect against short circuits and overloads of wiring installations and loads in panel boards, office buildings, stores, and similar applications. Their purpose is circuit protection, circuit isolation and load operation controls. They have instantaneous trip characteristics defined as follows:

- **B-type:** Instantaneous trip 3-5 times I_n
For non-inductive or low inductive loads (heating resistors, generators, very long wire lines)
- **C-type:** Instantaneous trip 5-10 times I_n
For inductive loads (mixed loads, resistive and inductive with low inrush current)
- **D-type:** Instantaneous trip 10-14 times I_n
For highly inductive loads (loads with high inrush and current such as motors).

Main features include:

- IEC rated current I_n : 1-63A
- Pole width: 17.5mm / 0.69"
- Contact status with flag indicator
- Trip characteristic: Curve type B, C and D
- Auxiliary contacts and trip releases mounted on MCB left side
- Fixing on 35mm DIN rail (IEC/EN 60715).

Operational characteristics

- Dissipation per pole: 3-13W
- IEC rated insulation voltage: 440V
- IEC rated impulse voltage: 4kV
- IEC rated operational voltage U_e : 230/440VAC.

Certifications and compliance

Certifications obtained: TÜV – Rheinland; UL Recognized for USA and Canada (cURus – File E359585) as "Supplementary Protectors", designated as Overcurrent type, for general industrial use, suitable for factory wiring only with 125-135% tripping current of amp rating. Products having this type of marking are intended for use as components of complete workshop- assembled equipment.

Compliant with standards: IEC/EN 60898-1, IEC/EN 60947-2, UL 1077, CSA C22-2 n°235.

1P+N - 6kA 1 module



P1 MB 1M...



| Order code | Curve | IEC In | IEC Icn | N° of DIN modules | Qty per pkg | Wt |
|------------|-------|--------|---------|-------------------|-------------|------|
| | Type | [A] | [kA] | | n° | [kg] |

Single pole + neutral, thermal and magnetic trip type, C-type characteristic.

| | | | | | | |
|--------------|---|----|---|---|----|-------|
| P1 MB 1M C02 | C | 2 | 6 | 1 | 12 | 0.115 |
| P1 MB 1M C04 | C | 4 | 6 | 1 | 12 | 0.115 |
| P1 MB 1M C06 | C | 6 | 6 | 1 | 12 | 0.115 |
| P1 MB 1M C10 | C | 10 | 6 | 1 | 12 | 0.115 |
| P1 MB 1M C16 | C | 16 | 6 | 1 | 12 | 0.115 |
| P1 MB 1M C20 | C | 20 | 6 | 1 | 12 | 0.115 |
| P1 MB 1M C25 | C | 25 | 6 | 1 | 12 | 0.115 |
| P1 MB 1M C32 | C | 32 | 6 | 1 | 12 | 0.115 |
| P1 MB 1M C40 | C | 40 | 6 | 1 | 12 | 0.115 |

General characteristics

- IEC rated current I_n : 2-40A
- Pole width: 9mm / 0.35"
- Contact status with flag indicator
- Trip characteristic: Curve type C
- Auxiliary contacts and trip releases mounted on MCB left side
- Fixing on 35mm DIN rail (IEC/EN 60715).

Operational characteristics

- Dissipation per pole: 3-7.5W
- IEC rated insulation voltage: 440V
- IEC rated impulse voltage: 4kV
- IEC rated operational voltage U_e : 230VAC.

Certifications and compliance

Certifications obtained: TÜV – Rheinland. Compliant with standards: IEC/EN 60898-1, IEC/EN 60947-2.