



This chapter provides product selection guidance for Eaton's XT range of Manual Motor Protectors (MMP's) which features a pushbutton or rotary On/Off manual disconnect, Class 10 adjustable bimetallic overload relay and fixed magnetic short circuit trip capability in one compact unit.

The XTPB and XTPR MMP's can also be wired in series with a magnetic contactor to complete the assembly of a remotely operated, manual motor controller.

### Standards

- IEC EN 60947-4-1
- CE Marked



See page 56 for Accessories.  
See page 136 for dimensional drawings.  
See page 148 for the technical details.

When ordering, specify Eaton list numbers according to the following stipulations:  
XT Manual Motor Protectors are selected based on the overload current range required for a given motor. This current range is determined from the motor Full Load Ampere rating and Motor Service Factor usually found on the motor nameplate.



XTPB025BC1

### Manual Motor Protectors, Pushbutton, Frame B, Screw Terminal

- Type 1 and Type 2 Coordination
- Motor Protective Device with Thermal and Magnetic Trip
- Select Manual Motor Protectors by full load current. Maximum Motor Ratings (kW) are for reference only.

| Rated Uninterrupted Current — $I_u = I_o$ (Amps) | FLA Adjustment Range / Overload Release — $I_r$ (Amps) | Short Circuit Release — $I_m$ (Amps) | Maximum Motor Ratings Maximum kW Rating AC-3 — P (kW) |            |      |      |            | Eaton list number |
|--|--|--------------------------------------|---|------------|------|------|------------|-------------------|
|  |  |                                      | 3-Phase 220 – 240V                                    | 380 – 415V | 440V | 500V | 660 – 690V |                   |
| 0.16   | 0.1 – 0.16   | 2.2                                  | —   | —          | —    | —    | 0.06       | XTPBP16BC1        |
| 0.25   | 0.16 – 0.25  | 3.5                                  | —   | 0.06       | 0.06 | 0.06 | 0.12       | XTPBP25BC1        |
| 0.4  | 0.25 – 0.4   | 5.6                                  | 0.06  | 0.09       | 0.12 | 0.12 | 0.18       | XTPBP40BC1        |
| 0.63   | 0.4 – 0.63   | 8.8                                  | 0.09  | 0.12       | 0.18 | 0.25 | 0.25       | XTPBP63BC1        |
| 1  | 0.63 – 1   | 14                                   | 0.12  | 0.25       | 0.25 | 0.37 | 0.55       | XTPB001BC1        |
| 1.6  | 1 – 1.6  | 22                                   | 0.25  | 0.55       | 0.55 | 0.75 | 1.1        | XTPB1P6BC1        |
| 2.5  | 1.6 – 2.5  | 35                                   | 0.37  | 0.75       | 1.1  | 1.1  | 1.5        | XTPB2P5BC1        |
| 4  | 2.5 – 4  | 56                                   | 0.75  | 1.5        | 1.5  | 2.2  | 3          | XTPB004BC1        |
| 6.3  | 4 – 6.3  | 88                                   | 1.1   | 2.2        | 3    | 3    | 4          | XTPB6P3BC1        |
| 10   | 6.3 – 10   | 140                                  | 2.2   | 4          | 4    | 4    | 7.5        | XTPB010BC1        |
| 12   | 8 – 12   | 168                                  | 3   | 5.5        | 5.5  | 5.5  | 11         | XTPB012BC1        |
| 16   | 10 – 16  | 224                                  | 4   | 7.5        | 9    | 9    | 12.5       | XTPB016BC1        |
| 20   | 16 – 20  | 280                                  | 5.5   | 9          | 11   | 12.5 | 15         | XTPB020BC1        |
| 25   | 20 – 25  | 350                                  | 5.5   | 12.5       | 12.5 | 15   | 22         | XTPB025BC1        |



XTPR032BC1

### Manual Motor Protectors, Rotary, Frame B, Screw Terminals

- Type 1 and Type 2 Coordination
- Motor Protective Device with Thermal and Magnetic Trip.
- Select Manual Motor Protectors by full load current. Maximum Motor Ratings (kW) are for reference only.

| Rated Uninterrupted Current — $I_u = I_e$ (Amps) | FLA Adjustment Range / Overload Release — $I_r$ (Amps) | Short Circuit Release — $I_m$ (Amps) | Maximum Motor Ratings Maximum kW Rating AC-3 — P (kW) |            |      |      |            | Eaton list number |
|--|--|--------------------------------------|---|------------|------|------|------------|-------------------|
|  |  |                                      | 3-Phase   |            | 440V | 500V | 660 – 690V |                   |
|  |  |                                      | 220 – 240V  | 380 – 415V |      |      |            |                   |
| 0.16   | 0.1 – 0.16   | 2.2                                  | —   | —          | —    | —    | 0.06       | XTPRP16BC1        |
| 0.25   | 0.16 – 0.25  | 3.5                                  | —   | 0.06       | 0.06 | 0.06 | 0.12       | XTPRP25BC1        |
| 0.4  | 0.25 – 0.4   | 5.6                                  | 0.06  | 0.09       | 0.12 | 0.12 | 0.18       | XTPRP40BC1        |
| 0.63   | 0.4 – 0.63   | 8.8                                  | 0.09  | 0.12       | 0.18 | 0.25 | 0.25       | XTPRP63BC1        |
| 1  | 0.63 – 1   | 14                                   | 0.12  | 0.25       | 0.25 | 0.37 | 0.55       | XTPR001BC1        |
| 1.6  | 1 – 1.6  | 22                                   | 0.25  | 0.55       | 0.55 | 0.75 | 1.1        | XTPR1P6BC1        |
| 2.5  | 1.6 – 2.5  | 35                                   | 0.37  | 0.75       | 1.1  | 1.1  | 1.5        | XTPR2P5BC1        |
| 4  | 2.5 – 4  | 56                                   | 0.75  | 1.5        | 1.5  | 2.2  | 3          | XTPR004BC1        |
| 6.3  | 4 – 6.3  | 88                                   | 1.1   | 2.2        | 3    | 3    | 4          | XTPR6P3BC1        |
| 10   | 6.3 – 10   | 140                                  | 2.2   | 4          | 4    | 4    | 7.5        | XTPR010BC1        |
| 12   | 8 – 12   | 168                                  | 3   | 5.5        | 5.5  | 5.5  | 11         | XTPR012BC1        |
| 16   | 10 – 16  | 224                                  | 4   | 7.5        | 9    | 9    | 12.5       | XTPR016BC1        |
| 20   | 16 – 20  | 280                                  | 5.5   | 9          | 11   | 12.5 | 15         | XTPR020BC1        |
| 25   | 20 – 25  | 350                                  | 5.5   | 12.5       | 12.5 | 15   | 22         | XTPR025BC1        |
| 32   | 25 – 32  | 448                                  | 7.5   | 15         | 15   | 22   | 30         | XTPR032BC1        |



XTPR063DC1

### Manual Motor Protectors, Rotary, Frame D, Screw Terminals

- Type 1 and Type 2 Coordination
- Motor Protective Device with Thermal and Magnetic Trip.
- Select Manual Motor Protectors by full load current. Maximum Motor Ratings (kW) are for reference only.

| Rated Uninterrupted Current — $I_u = I_e$ (Amps) | FLA Adjustment Range / Overload Release — $I_r$ (Amps) | Short Circuit Release — $I_m$ (Amps) | Maximum Motor Ratings Maximum kW Rating AC-3 — P (kW) |            |      |      |            | Eaton list number |
|--|--|--------------------------------------|---|------------|------|------|------------|-------------------|
|  |  |                                      | 3-Phase   |            | 440V | 500V | 660 – 690V |                   |
|  |  |                                      | 220 – 240V  | 380 – 415V |      |      |            |                   |
| 16   | 10 – 16  | 224                                  | 4   | 7.5        | 9    | 9    | 12.5       | XTPR016DC1        |
| 25   | 16 – 25  | 350                                  | 5.5   | 12.5       | 12.5 | 12.5 | 22         | XTPR025DC1        |
| 32   | 25 – 32  | 448                                  | 7.5   | 15         | 17.5 | 17.5 | 22         | XTPR032DC1        |
| 40   | 32 – 40  | 560                                  | 11  | 20         | 22   | 22   | 30         | XTPR040DC1        |
| 50   | 40 – 50  | 700                                  | 14  | 25         | 30   | 30   | 45         | XTPR050DC1        |
| 58   | 50 – 58  | 812                                  | 17  | 30         | 37   | 37   | 55         | XTPR058DC1        |
| 65   | 55 – 63  | 882                                  | 18.5  | 34         | 37   | 37   | 55         | XTPR063DC1        |

