

## Technical Data and Specifications

### XTSC Non-Reversing Manual Motor Controllers (MMC)—Component Bill of Material

#### Factory Assembled Manual Motor Protector + Contactor

| Assembled Manual Motor Controller <sup>①</sup> | FLA Adjustment Range/Overload Release— $I_r$ (Amps) | Component Catalog Numbers |                            | Contactor <sup>①</sup> | Manual Motor Protector Auxiliary Contact |
|--|---|---------------------------|----------------------------|------------------------|--|
|  |   | Manual Motor Protector    | Combination Connection Kit |                        |  |
| <b>XTSC Frame B MMP + Frame B Contactor</b>    |   |                           |                            |                        |  |
| XTSCP16BB_                                     | 0.1–0.16  | XTPRP16BC1                | XTPAXTPCB                  | XTCE007B10_            | XTPAXFA11                                |
| XTSCP25BB_                                     | 0.16–0.25   | XTPRP25BC1                | XTPAXTPCB                  | XTCE007B10_            | XTPAXFA11                                |
| XTSCP40BB_                                     | 0.25–0.4  | XTPRP40BC1                | XTPAXTPCB                  | XTCE007B10_            | XTPAXFA11                                |
| XTSCP63BB_                                     | 0.4–0.63  | XTPRP63BC1                | XTPAXTPCB                  | XTCE007B10_            | XTPAXFA11                                |
| XTSC001BB_                                     | 0.63–1  | XTPR001BC1                | XTPAXTPCB                  | XTCE007B10_            | XTPAXFA11                                |
| XTSC1P6BB_                                     | 1–1.6   | XTPR1P6BC1                | XTPAXTPCB                  | XTCE007B10_            | XTPAXFA11                                |
| XTSC2P5BB_                                     | 1.6–2.5   | XTPR2P5BC1                | XTPAXTPCB                  | XTCE007B10_            | XTPAXFA11                                |
| XTSC004BB_                                     | 2.5–4   | XTPR004BC1                | XTPAXTPCB                  | XTCE007B10_            | XTPAXFA11                                |
| XTSC6P3BB_                                     | 4–6.3   | XTPR6P3BC1                | XTPAXTPCB                  | XTCE007B10_            | XTPAXFA11                                |
| XTSC010BB_                                     | 6.3–10  | XTPR010BC1                | XTPAXTPCB                  | XTCE009B10_            | XTPAXFA11                                |
| XTSC012BB_                                     | 8–12  | XTPR012BC1                | XTPAXTPCB                  | XTCE012B10_            | XTPAXFA11                                |
| XTSC016BB_                                     | 10–16   | XTPR016BC1                | XTPAXTPCB                  | XTCE015B10_            | XTPAXFA11                                |
| <b>XTSC Frame B MMP + Frame C Contactor</b>    |   |                           |                            |                        |  |
| XTSC016BC_                                     | 10–16   | XTPR016BC1                | XTPAXTPCC                  | XTCE018C10_            | XTPAXFA1                                 |
| XTSC020BC_                                     | 16–20   | XTPR020BC1                | XTPAXTPCC                  | XTCE025C10_            | XTPAXFA11                                |
| XTSC025BC_                                     | 20–25   | XTPR025BC1                | XTPAXTPCC                  | XTCE025C10_            | XTPAXFA11                                |
| XTSC032BC_                                     | 25–32   | XTPR032BC1                | XTPAXTPCC                  | XTCE032C10_            | XTPAXFA11                                |
| <b>XTSC Frame D MMP + Frame C Contactor</b>    |   |                           |                            |                        |  |
| XTSC016DC_                                     | 10–16   | XTPR016DC1                | ②                          | XTCE018C10_            | XTPAXFA1                                 |
| XTSC025DC_                                     | 16–25   | XTPR025DC1                | ②                          | XTCE025C10_            | XTPAXFA11                                |
| XTSC032DC_                                     | 25–32   | XTPR032DC1                | ②                          | XTCE032C10_            | XTPAXFA11                                |
| <b>XTSC Frame D MMP + Frame D Contactor</b>    |   |                           |                            |                        |  |
| XTSC040DD_                                     | 32–40   | XTPR040DC1                | XTPAXTPCD <sup>③</sup>     | XTCE040D00_            | XTPAXFA11                                |
| XTSC050DD_                                     | 40–50   | XTPR050DC1                | XTPAXTPCD <sup>③</sup>     | XTCE050D00_            | XTPAXFA11                                |
| XTSC058DD_                                     | 50–58   | XTPR058DC1                | XTPAXTPCD <sup>③</sup>     | XTCE065D00_            | XTPAXFA11                                |
| XTSC063DD_                                     | 55–65   | XTPR063DC1                | XTPAXTPCD <sup>③</sup>     | XTCE065D00_            | XTPAXFA11                                |

#### Notes

① Underscore (\_) indicates magnetic coil suffix required. See **Page V5-T1-202**.

② The connection between the XTPR...DC1 and the XTCE...C\_ contactor will be made with flexible wire and mounted to the DIN rail adapter plate (XTPAXTPCPD).

③ The reversing connection between the XTPR...DC1 and the (2) XTCE...C\_ contactors will be accomplished by using the non-reversing combination connection kit (XTPAXTPCD), Frame D reversing link kit (XTCEXRLD), additional DIN rail adapter plate (XTPAXTPCPD) and DIN adapter connection element (XTPAXCNE).

## Manual Motor Controllers Short-Circuit Ratings for UL/CSA Group Installations

## XTSC and XTSR Manual Motor Controllers (MMC)

| Assembled Controller ①                               |            | FLA Adjustment<br>Range/Overload<br>Release—<br>I <sub>r</sub> (Amps) | Short-Circuit<br>Release—<br>I <sub>rm</sub> (Amps) | Group Installation, UL/CSA<br>Max. rms Symmetrical Short-Circuit<br>Ratings (kA/kA with Current Limiter) |       |       | Maximum Upstream Protective Device<br>(A/A with Current Limiter) |                                 |
|--|------------|---|---|--|-------|-------|--|---------------------------------|
|  |            |   |   | 240V   | 480V  | 600V  | Maximum Fuse<br>600V   | Maximum Circuit<br>Breaker 600V |
| Non-Reversing  | Reversing  |   |   |  |       |       |  |                                 |
| <b>XTSC and XTSR Frame B MMP + Frame B Contactor</b> |            |   |   |  |       |       |  |                                 |
| XTSCP16BB_   | XTSRP16BB_ | 0.1–0.16  | 2.2   | 50   | 50    | 50    | 600  | 600                             |
| XTSCP25BB_   | XTSRP25BB_ | 0.16–0.25   | 3.5   | 50   | 50    | 50    | 600  | 600                             |
| XTSCP40BB_   | XTSRP40BB_ | 0.25–0.4  | 5.6   | 50   | 50    | 50    | 600  | 600                             |
| XTSCP63BB_   | XTSRP63BB_ | 0.4–0.63  | 8.82  | 50   | 50    | 50    | 600  | 600                             |
| XTSC001BB_   | XTSR001BB_ | 0.63–1  | 14  | 50   | 50    | 50    | 600  | 600                             |
| XTSC1P6BB_   | XTSR1P6BB_ | 1–1.6   | 22.4  | 50   | 50    | 50    | 600  | 600                             |
| XTSC2P5BB_   | XTSR2P5BB_ | 1.6–2.5   | 35  | 50   | 50    | 50    | 600  | 600                             |
| XTSC004BB_   | XTSR004BB_ | 2.5–4   | 56  | 50   | 50    | 50    | 600  | 600                             |
| XTSC6P3BB_   | XTSR6P3BB_ | 4–6.3   | 88.2  | 50   | 50    | 50    | 600  | 600                             |
| XTSC010BB_   | XTSR010BB_ | 6.3–10  | 140   | 22   | 22    | 22    | 150/600  | 125/600                         |
| XTSC012BB_   | XTSR012BB_ | 8–12  | 168   | 10/50  | 10/50 | 10/50 | 150/600  | 125/600                         |
| XTSC016BB_   | —          | 10–16   | 224   | 10/50  | 10/50 | 10/50 | 150/600  | 125/600                         |
| <b>XTSC and XTSR Frame B MMP + Frame C Contactor</b> |            |   |   |  |       |       |  |                                 |
| XTSC016BC_   | XTSR016BC_ | 10–16   | 224   | 10/50  | 10/50 | 10/50 | 150/600  | 125/600                         |
| XTSC020BC_   | XTSR020BC_ | 16–20   | 280   | 10/18  | 10/18 | 10/18 | 150/600  | 125/600                         |
| XTSC025BC_   | XTSR025BC_ | 20–25   | 350   | 10/18  | 10/18 | 10/18 | 150/600  | 125/600                         |
| XTSC032BC_   | XTSR032BC_ | 25–32   | 448   | 5/18   | 5/18  | 5/18  | 150/600  | 125/600                         |
| <b>XTSC and XTSR Frame D MMP + Frame C Contactor</b> |            |   |   |  |       |       |  |                                 |
| XTSC016DC_   | XTSR016DC_ | 10–16   | 224   | 50   | 50    | 10    | 600  | 600                             |
| XTSC025DC_   | XTSR025DC_ | 16–25   | 350   | 50   | 50    | 10    | 600  | 600                             |
| XTSC032DC_   | XTSR032DC_ | 25–32   | 448   | 50   | 50    | 10    | 600  | 600                             |
| <b>XTSC and XTSR Frame D MMP + Frame D Contactor</b> |            |   |   |  |       |       |  |                                 |
| XTSC040DD_   | XTSR040DD_ | 32–40   | 560   | 50   | 50    | 10    | 600  | 600                             |
| XTSC050DD_   | XTSR050DD_ | 40–50   | 700   | 50   | 50    | 10    | 600  | 600                             |
| XTSC058DD  | XTSR058DD  | 50–58   | 812   | 50   | 50    | —     | —  | —                               |
| XTSC063DD_   | XTSR063DD_ | 55–65   | 882   | 50   | 50    | —     | —  | —                               |

**Note**

① Underscore ( \_ ) indicates magnetic coil suffix required. See Page V5-T1-202.