

#### XTPAXUTS



#### Shroud for Unused Terminals of Three-Phase Commoning Links

For Use with...	Description	Pkg. Qty. ①	Catalog Number
Frame B XTPR	To cover unused terminals on three-phase commoning link. Protected against direct contact.	20	<b>XTPAXUTS</b>

#### XTPAXIT



#### Incoming Terminals for Three-Phase Commoning Link ②

For Use with...	Pkg. Qty. ①	Catalog Number
Frame B XTPR, XTPB	5	<b>XTPAXIT</b>

#### Line-Side Adapter ③

#### XTPAXLSA



For Use with...	Pkg. Qty. ①	Catalog Number
Frame B XTPR to create a UL 508 Type E/F manual combination starter	5	<b>XTPAXLSA</b>

#### XTPAXLSAD

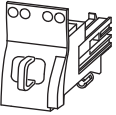


Frame D XTPR to create a UL 508 Type E/F manual combination starter	1	<b>XTPAXLSAD ④</b>
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### Combination Connection Kits

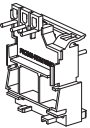
#### Non-Reversing Starters

#### XTPAXTPCB



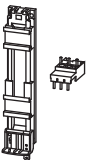
For Use with...	Description/Comprised of ...	Std. Pack ①	Catalog Number
XTPR...B + XTCE...B	Mechanical connection element for XTPR...B and contactor	1	<b>XTPAXTPCB</b>
	Main current wiring between XTPR...B and contactor in toolless plug connection	1	
	Use contactor auxiliary switch XTCEXFAT_. Control cable guidance: max. six cables up to 2.5 mm <sup>2</sup> external diameter or four cables up to 3.5 mm <sup>2</sup> external diameter.		

#### XTPAXEMCB



XTPR...B + XTCE...B	Mechanical connection element for XTPR...B and contactor	1	<b>XTPAXEMCB</b>
	Main current wiring between XTPR...B and contactor screw in type connection	1	

#### XTPAXTPC\_



XTPR...B + XTCE...C	DIN rail adapter plate Main current wiring between XTPR and contactor	1	<b>XTPAXTPCC</b>
XTPR...D + XTCE...D	DIN rail adapter plate Main current wiring between XTPR and contactor	1	<b>XTPAXTPCD</b>

#### Notes

- ① Orders must be placed in multiples of package quantity listed.
- ② For three-phase commoning link, protected against accidental contact,  $U_b = 690V$ ,  $I_u = 63A$ ;  
For conductor cross-sections: 2.5–25 mm<sup>2</sup> stranded; 2.5–16 mm<sup>2</sup> flexible with ferrules, AWG 14-6.
- ③ XTPAXLSA is for three-phase commoning link, finger and back-of-hand proof,  
 $U_b = 690V$ ,  $I_u = 60A$  for conductor cross sections: 2.5–25 mm<sup>2</sup> stranded,  
2.5–16 mm<sup>2</sup> flexible with ferrule, AWG 14-6.
- ④ XTPAXLSAD cannot be combined with three-phase commoning links. Conductor size 8 AWG–1/0.

#### Frame D MMP + Frame D Contactor



#### Factory-Assembled Manual Motor Controller—Frame D MMP + Frame D Contactor— Maximum IEC Ratings <sup>①</sup>

FLA Adjustment  
Range/Overload  
Release— $I_r$   
(Amps)



FLA Adjustment Range/Overload Release— $I_r$ (Amps)	Short-Circuit Release— $I_m$ (Amps)	Three-Phase				Assembled Manual Motor Controller <sup>②</sup>	
		220– 240V	380– 415V	500V	660– 690V	Non-Reversing Catalog Number	Reversing Catalog Number
32–40	560	11	20	22	30	<b>XTSC040DD_</b>	<b>XTSR040DD_</b>
40–50	700	14	25	30	45	<b>XTSC050DD_</b>	<b>XTSR050DD_</b>
50–58	812	17	30	37	55	<b>XTSC058DD_</b>	<b>XTSR058DD_</b>
55–65	882	18.5	34	37	55	<b>XTSC063DD_</b>	<b>XTSR063DD_</b>

#### AC and DC Coil Suffixes

Coil Voltage	Suffix Code
<b>Frame B Contactors</b>	
110V 50 Hz, 120V 60 Hz	<b>A</b>
220V 50 Hz, 240V 60 Hz	<b>B</b>
230V 50 Hz	<b>F</b>
24V 50/60 Hz	<b>T</b>
24 Vdc	<b>TD</b> <sup>③</sup>
415V 50 Hz, 480V 60 Hz	<b>C</b>
600V 60 Hz	<b>D</b>
208V 60 Hz	<b>E</b>
190V 50 Hz, 220V 60 Hz	<b>G</b>
240V 50 Hz, 277V 60 Hz	<b>H</b>

Coil Voltage	Suffix Code
380V 50 Hz, 440V 60 Hz	<b>L</b>
400V 50 Hz	<b>N</b>
380V 60 Hz	<b>P</b>
12V 50/60 Hz	<b>R</b>
42V 50 Hz, 48V 60 Hz	<b>W</b>
48V 50 Hz	<b>Y</b>
120 Vdc	<b>AD</b> <sup>③</sup>
220 Vdc	<b>BD</b> <sup>③</sup>
12 Vdc	<b>RD</b> <sup>③</sup>
48 Vdc	<b>WD</b> <sup>③</sup>

Coil Voltage	Suffix Code
<b>Frame C and D Contactors</b>	
110V 50 Hz, 120V 60 Hz	<b>A</b>
220V 50 Hz, 240V 60 Hz	<b>B</b>
230V 50 Hz	<b>F</b>
24V 50/60 Hz	<b>T</b>
24–27 Vdc	<b>TD</b> <sup>③</sup>
415V 50 Hz, 480V 60 Hz	<b>C</b>
550V 50 Hz, 600V 60 Hz	<b>D</b>
208V 60 Hz	<b>E</b>
190V 50 Hz, 220V 60 Hz	<b>G</b>
240V 50 Hz, 277V 60 Hz	<b>H</b>

Coil Voltage	Suffix Code
380V 50 Hz, 440V 60 Hz	<b>L</b>
400V 50 Hz	<b>N</b>
380V 60 Hz	<b>P</b>
12V 50/60 Hz	<b>R</b>
42V 50 Hz, 48V 60 Hz	<b>W</b>
48V 50 Hz	<b>Y</b>
110–130 Vdc	<b>AD</b> <sup>③</sup>
200–240 Vdc	<b>BD</b> <sup>③</sup>
12–14 Vdc	<b>RD</b> <sup>③</sup>
48–60 Vdc	<b>WD</b> <sup>③</sup>

#### Notes

The assembled manual motor controller (MMC) consists of an XTPR manual motor protector (MMP) and an XTCE contactor. For Frame B MMP + Frame B contactor assemblies, the XTSC and XTSR can be mounted directly on DIN rail without an adapter. The contactors are supported mechanically with a mechanical connection element (included in XTPAXTPCB, XTPAXRPCR). For MMCs using a Frame C or Frame D contactor, the assembly is mounted via a DIN rail adapter plate (XTPAXTPCPC, XTPAXTPCPD) and the electrical connection is made with electrical contact modules (XTPAXECMC, XTPAXECMD), both included in XTPAXTPCC and XTPAXTPCD.

Service Factor (SF)—Setting  $I_r$  of current scale in dependence of load factor:

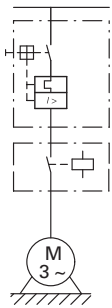
$$SF = 1.15 \rightarrow I_r = 1 \times I_{n \text{ mot}}$$

$$SF = 1 \rightarrow I_r = 0.9 \times I_{n \text{ mot}}$$

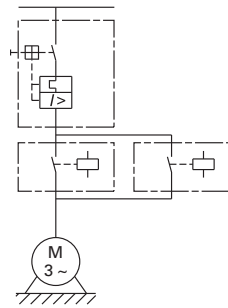
Single-phasing sensitivity to IEC/EN 60947-4-1, VDE 0660 Part 102.

- ① Select manual motor controllers by full load amperes. Maximum motor ratings (kW, hp) are for reference only.
- ② Underscore (\_) indicates magnetic coil suffix required. See AC and DC coil suffixes above.
- ③ With DC operation: Integrated diode-resistor combination, coil rating 2.6W.

#### Non-Reversing Manual Motor Controller Power Circuit



#### Reversing Manual Motor Controller Power Circuit



#### Factory-Assembled Type F Combination Motor Controller—Frame D MMP + Frame D Contactor—Maximum IEC Ratings <sup>①</sup>

**FLA Adjustment Range/Overload Release— $I_r$  (Amps)**



	Short-Circuit Release— $I_m$ (Amps)	Three-Phase				Assembled Manual Motor Controller <sup>②</sup>	
		220–240V	380–415V	500V	660–690V	Non-Reversing Catalog Number	Reversing Catalog Number
32–40	560	11	20	22	30	<b>XTFC040DD_</b>	<b>XTFR040DD_</b>
40–50	700	14	25	30	45	<b>XTFC050DD_</b>	<b>XTFR050DD_</b>
50–58	812	17	30	37	55	<b>XTFC058DD_</b>	<b>XTFR058DD_</b>
55–65	882	18.5	34	37	55	<b>XTFC063DD_</b>	<b>XTFR063DD_</b>

#### AC and DC Coil Suffixes

Coil Voltage	Suffix Code
<b>Frame B Contactors</b>	
110V 50 Hz, 120V 60 Hz	<b>A</b>
220V 50 Hz, 240V 60 Hz	<b>B</b>
230V 50 Hz	<b>F</b>
24V 50/60 Hz	<b>T</b>
24 Vdc	<b>TD</b> <sup>③</sup>
415V 50 Hz, 480V 60 Hz	<b>C</b>
600V 60 Hz	<b>D</b>
208V 60 Hz	<b>E</b>
190V 50 Hz, 220V 60 Hz	<b>G</b>
240V 50 Hz, 277V 60 Hz	<b>H</b>

Coil Voltage	Suffix Code
380V 50 Hz, 440V 60 Hz	<b>L</b>
400V 50 Hz	<b>N</b>
380V 60 Hz	<b>P</b>
12V 50/60 Hz	<b>R</b>
42V 50 Hz, 48V 60 Hz	<b>W</b>
48V 50 Hz	<b>Y</b>
120 Vdc	<b>AD</b> <sup>③</sup>
220 Vdc	<b>BD</b> <sup>③</sup>
12 Vdc	<b>RD</b> <sup>③</sup>
48 Vdc	<b>WD</b> <sup>③</sup>

Coil Voltage	Suffix Code
<b>Frame C and D Contactors</b>	
110V 50 Hz, 120V 60 Hz	<b>A</b>
220V 50 Hz, 240V 60 Hz	<b>B</b>
230V 50 Hz	<b>F</b>
24V 50/60 Hz	<b>T</b>
24–27 Vdc	<b>TD</b> <sup>③</sup>
415V 50 Hz, 480V 60 Hz	<b>C</b>
550V 50 Hz, 600V 60 Hz	<b>D</b>
208V 60 Hz	<b>E</b>
190V 50 Hz, 220V 60 Hz	<b>G</b>
240V 50 Hz, 277V 60 Hz	<b>H</b>

Coil Voltage	Suffix Code
380V 50 Hz, 440V 60 Hz	<b>L</b>
400V 50 Hz	<b>N</b>
380V 60 Hz	<b>P</b>
12V 50/60 Hz	<b>R</b>
42V 50 Hz, 48V 60 Hz	<b>W</b>
48V 50 Hz	<b>Y</b>
110–130 Vdc	<b>AD</b> <sup>③</sup>
200–240 Vdc	<b>BD</b> <sup>③</sup>
12–14 Vdc	<b>RD</b> <sup>③</sup>
48–60 Vdc	<b>WD</b> <sup>③</sup>

#### Notes

The assembled manual motor controller (MMC) consists of an XTPR manual motor protector (MMP) and an XTCE contactor. For Frame B MMP + Frame B contactor assemblies, the XTSC and XTSR can be mounted directly on DIN rail without an adapter. The contactors are supported mechanically with a mechanical connection element (included in XTPAXTPCB, XTPAXRPCR). For 16A and above, the assembly is mounted via a DIN rail adapter plate (XTPAXTPCPC, XTPAXTPCPD) and the electrical connection is made with electrical contact modules (XTPAXECMC, XTPAXECMD), both included in XTPAXTPCC and XTPAXTPCD.

Service Factor (SF)—Setting  $I_r$  of current scale in dependence of load factor:

$$SF = 1.15 \rightarrow I_r = 1 \times I_{n \text{ mot}}$$

$$SF = 1 \rightarrow I_r = 0.9 \times I_{n \text{ mot}}$$

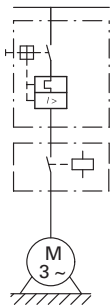
Single-phasing sensitivity to IEC/EN 60947-4-1, VDE 0660 Part 102.

<sup>①</sup> Select combination motor controllers by full load amperes. Maximum motor ratings (kW, hp) are for reference only.

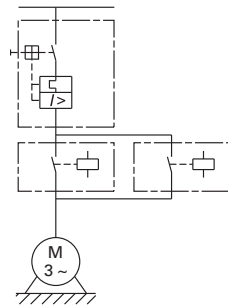
<sup>②</sup> Underscore (\_) indicates magnetic coil suffix required. See AC and DC coil suffixes above.

<sup>③</sup> With DC operation: Integrated diode-resistor combination, coil rating 2.6W.

#### XTFC Manual Motor Controller



#### XTFR Manual Motor Controller





## Accessories

### Line Side Adapters

Line side adapters are required for use with XTPR MMPs only when used as Type E self-protected manual combination starters or as part of XTFC or XTFR Type F combination motor controllers. Not required for group installation.

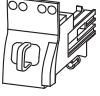
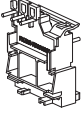
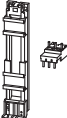
#### Line Side Adapters

	Description	Catalog Number		Description	Catalog Number
	For use with Frame B MMPs (up to 32A)	<b>XTPAXLSA</b>		For use with Frame D MMPs (up to 40A)	<b>XTPAXLSAD</b>

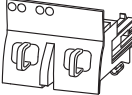
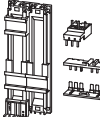
### Combination Connection Kits

Combination connection kits include the necessary components to field assemble a manual motor controller with an MMP (XTPR) and contactor (XTCE).

#### Non-Reversing Starters

	For Use with ...	Description/Composed of ...	Std. Pack ①	Catalog Number
	XTPR...B + XTCE...B	Mechanical connection element for XTPR...B and contactor	1	<b>XTPAXTPCB</b>
		Main current wiring between XTPR...B and contactor in toolless plug connection	1	
		Cable guidance	1	
		Use as contactor auxiliary switch XTCEXFAT_-. Control cable guidance: max. six cables up to 2.5 mm <sup>2</sup> external diameter or four cables up to 3.5 mm <sup>2</sup> external diameter		
	XTPR...B + XTCE...B	Mechanical connection element for XTPR...B and contactor	1	<b>XTPAXEMCB</b>
		Main current wiring between XTPR...B and contactor screw in type connection	1	
	XTPR...B + XTCE...C	DIN rail adapter plate	1	<b>XTPAXTPCC</b>
	XTPR...D + XTCE...D	Main current wiring between XTPR and contactor	1	<b>XTPAXTPCD</b>

#### Reversing Starters

	For Use with ...	Description/Composed of ...	Std. Pack ①	Catalog Number
	XTPR...B + XTCE...B01_	Mechanical connection element for XTPR...B and contactor	1	<b>XTPAXTPCRB</b>
		Reversing starter main current wiring in toolless plug connection	1	
		Control cables for electrical interlocking in toolless plug connection— K1M: A1–K2M: 21, K1M: 21–K2M: A1, K1M: A2–K2M: A2	1	
		Cable guidance	1	
		Use as contactor auxiliary switch XTCEXFAT_-. Control cable guidance: max. six cables up to 2.5 mm <sup>2</sup> external diameter or four cables up to 3.5 mm <sup>2</sup> external diameter.		
	XTPR...B + XTCE...C	DIN rail adapter plate	1	<b>XTPAXTPCRC</b>
		Reversing starter main current wiring	1	

#### Note

① Orders must be placed in multiples of package quantity listed.

## 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).

## XTSR 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 <sub>r</sub> (Amps)	Component Catalog Numbers		Contactor <sup>①</sup>	Manual Motor Protector Auxiliary Contact
		Manual Motor Protector	Combination Connection Kit		
<b>XTSR Frame B MMP + Frame B Contactor</b>					
XTSRP16BB_	0.1–0.16	XTPRP16BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSRP25BB_	0.16–0.25	XTPRP25BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSRP40BB_	0.25–0.4	XTPRP40BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSRP63BB_	0.4–0.63	XTPRP63BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSR001BB_	0.63–1	XTPR001BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSR1P6BB_	1–1.6	XTPR1P6BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSR2P5BB_	1.6–2.5	XTPR2P5BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSR004BB_	2.5–4	XTPR004BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSR6P3BB_	4–6.3	XTPR6P3BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTSR010BB_	6.3–10	XTPR010BC1	XTPAXTPCRB	(2) XTCE009B01_	XTPAXFA11
XTSR012BB_	8–12	XTPR012BC1	XTPAXTPCRB	(2) XTCE012B01_	XTPAXFA11
<b>XTSR Frame B MMP + Frame C Contactor</b>					
XTSR016BC_	10–16	XTPR016BC1	XTPAXTPCRC	(2) XTCE018C01	XTPAXFA11
XTSR020BC_	16–20	XTPR020BC1	XTPAXTPCRC	(2) XTCE025C01_	XTPAXFA11
XTSR025BC_	20–25	XTPR025BC1	XTPAXTPCRC	(2) XTCE025C01_	XTPAXFA11
XTSR032BC_	25–32	XTPR032BC1	XTPAXTPCRC	(2) XTCE032C01_	XTPAXFA11
<b>XTSR Frame D MMP + Frame C Contactor</b>					
XTSR016DC_	10–16	XTPR016DC1	②	(2) XTCE018C01	XTPAXFA11
XTSR025DC_	16–25	XTPR025DC1	②	(2) XTCE025C01_	XTPAXFA11
XTSR032DC_	25–32	XTPR032DC1	②	(2) XTCE032C01_	XTPAXFA11
<b>XTSR Frame D MMP + Frame D Contactor</b>					
XTSR040DD_	32–40	XTPR040DC1	③	(2) XTCE040D00_	XTPAXFA11
XTSR050DD_	40–50	XTPR050DC1	③	(2) XTCE050D00_	XTPAXFA11
XTSR058DD_	50–58	XTPR058DC1	③	(2) XTCE065D00_	XTPAXFA11
XTSR063DD_	55–65	XTPR063DC1	③	(2) 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).

## XTFC Non-Reversing Combination Motor Controllers—Component Bill of Material

### Factory Assembled Manual Motor Protector + Contactor + Line Side Adapter

Assembled Combination Motor Controller <sup>①</sup>	FLA Adjustment Range/ Overload Release— $I_r$ (Amps)	Component Catalog Numbers			Manual Motor Protector	Combination Connection Kit	Contactor <sup>①</sup>	Manual Motor Protector Auxiliary Contact
		Line Side Adapter	Manual Motor Protector	Combination Connection Kit				
<b>XTFC Frame B MMP + Frame B Contactor</b>								
XTFCP16BB_	0.1–0.16	XTPAXLSA	XTPRP16BC1	XTPAXTPCB	XTCE007B10_	XTPAXFA11		
XTFCP25BB_	0.16–0.25	XTPAXLSA	XTPRP25BC1	XTPAXTPCB	XTCE007B10_	XTPAXFA11		
XTFCP40BB_	0.25–0.4	XTPAXLSA	XTPRP40BC1	XTPAXTPCB	XTCE007B10_	XTPAXFA11		
XTFCP63BB_	0.4–0.63	XTPAXLSA	XTPRP63BC1	XTPAXTPCB	XTCE007B10_	XTPAXFA11		
XTFC001BB_	0.63–1	XTPAXLS	XTPR001BC1	XTPAXTPCB	XTCE007B10_	XTPAXFA11		
XTFC1P6BB_	1–1.6	XTPAXLSA	XTPR1P6BC1	XTPAXTPCB	XTCE007B10_	XTPAXFA11		
XTFC2P5BB_	1.6–2.5	XTPAXLSA	XTPR2P5BC1	XTPAXTPCB	XTCE007B10_	XTPAXFA11		
XTFC004BB_	2.5–4	XTPAXLSA	XTPR004BC1	XTPAXTPCB	XTCE007B10_	XTPAXFA11		
XTFC6P3BB_	4–6.3	XTPAXLSA	XTPR6P3BC1	XTPAXTPCB	XTCE007B10_	XTPAXFA11		
XTFC010BB_	6.3–10	XTPAXLSA	XTPR010BC1	XTPAXTPCB	XTCE009B10_	XTPAXFA11		
XTFC012BB_	8–12	XTPAXLSA	XTPR012BC1	XTPAXTPCB	XTCE012B10_	XTPAXFA11		
XTFC016BB_	10–16	XTPAXLSA	XTPR016BC1	XTPAXTPCB	XTCE015B10_	XTPAXFA11		
<b>XTFC Frame B MMP + Frame C Contactor</b>								
XTFC016BC_	10–16	XTPAXLSA	XTPR016BC1	XTPAXTPCC	XTCE018C10_	XTPAXFA11		
XTFC020BC_	16–20	XTPAXLSA	XTPR020BC1	XTPAXTPCC	XTCE025C10_	XTPAXFA11		
XTFC025BC_	20–25	XTPAXLSA	XTPR025BC1	XTPAXTPCC	XTCE025C10_	XTPAXFA11		
XTFC032BC_	25–32	XTPAXLSA	XTPR032BC1	XTPAXTPCC	XTCE032C10_	XTPAXFA11		
<b>XTFC Frame D MMP + Frame C Contactor</b>								
XTFC016DC_	10–16	XTPAXLSAD	XTPR016DC1	②	XTCE018C10_	XTPAXFA11		
XTFC025DC_	16–25	XTPAXLSAD	XTPR025DC1	②	XTCE025C10_	XTPAXFA11		
XTFC032DC_	25–32	XTPAXLSAD	XTPR032DC1	②	XTCE032C10_	XTPAXFA11		
<b>XTFC Frame D MMP + Frame D Contactor</b>								
XTFC040DD_	32–40	XTPAXLSAD	XTPR040DC1	XTPAXTPCD <sup>③</sup>	XTCE040D00_	XTPAXFA11		
XTFC050DD_	40–50	XTPAXLSAD	XTPR050DC1	XTPAXTPCD <sup>③</sup>	XTCE050D00_	XTPAXFA11		
XTFC058DD_	50–58	XTPAXLSAD	XTPR058DC1	XTPAXTPCD <sup>③</sup>	XTCE065D00_	XTPAXFA11		
XTFC063DD_	55–65	XTPAXLSAD	XTPR063DC1	XTPAXTPCD <sup>③</sup>	XTCE065D00_	XTPAXFA11		

#### Notes

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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 (XTCEXRDL), additional DIN rail adapter plate (XTPAXTPCPD) and DIN adapter connection element (XTPAXCNE).

## XTFR Reversing Combination Motor Controllers—Component Bill of Material

### Factory Assembled Manual Motor Protector + Contactor + Line Side Adapter

Assembled Combination 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
		Line Side Adapter	Manual Motor Protector	Combination Connection Kit		
<b>XTFR Frame B MMP + Frame B Contactor</b>						
XTFRP16BB_	0.1–0.16	XTPAXLSA	XTPRP16BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTFRP25BB_	0.16–0.25	XTPAXLSA	XTPRP25BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTFRP40BB_	0.25–0.4	XTPAXLSA	XTPRP40BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTFRP63BB_	0.4–0.63	XTPAXLSA	XTPRP63BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTFR001BB_	0.63–1	XTPAXLSA	XTPR001BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTFR1P6BB_	1–1.6	XTPAXLSA	XTPR1P6BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTFR2P5BB_	1.6–2.5	XTPAXLSA	XTPR2P5BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTFR004BB_	2.5–4	XTPAXLSA	XTPR004BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTFR6P3BB_	4–6.3	XTPAXLSA	XTPR6P3BC1	XTPAXTPCRB	(2) XTCE007B01_	XTPAXFA11
XTFR010BB_	6.3–10	XTPAXLSA	XTPR010BC	XTPAXTPCRB	(2) XTCE009B01_	XTPAXFA11
XTFR012BB_	8–12	XTPAXLSA	XTPR012BC1	XTPAXTPCRB	(2) XTCE012B01_	XTPAXFA11
<b>XTFR Frame B MMP + Frame C Contactor</b>						
XTFR016BC_	10–16	XTPAXLSA	XTPR016BC1	XTPAXTPCRC	(2) XTCE018C01_	XTPAXFA11
XTFR020BC_	16–20	XTPAXLSA	XTPR020BC1	XTPAXTPCRC	(2) XTCE025C01_	XTPAXFA11
XTFR025BC_	20–25	XTPAXLSA	XTPR025BC1	XTPAXTPCRC	(2) XTCE025C01_	XTPAXFA11
XTFR032BC_	25–32	XTPAXLSA	XTPR032BC1	XTPAXTPCRC	(2) XTCE032C01_	XTPAXFA11
<b>XTFR Frame D MMP + Frame C Contactor</b>						
XTFR016DC_	10–16	XTPAXLSAD	XTPR016DC1	②	(2) XTCE018C01_	XTPAXFA11
XTFR025DC_	16–25	XTPAXLSAD	XTPR025DC1	②	(2) XTCE025C01_	XTPAXFA11
XTFR032DC_	25–32	XTPAXLSAD	XTPR032DC1	②	(2) XTCE032C01_	XTPAXFA11
<b>XTFR Frame D MMP + Frame D Contactor</b>						
XTFR040DD_	32–40	XTPAXLSAD	XTPR040DC1	③	(2) XTCE040D00_	XTPAXFA11
XTFR050DD_	40–50	XTPAXLSAD	XTPR050DC1	③	(2) XTCE050D00_	XTPAXFA11
XTFR058DD_	50–58	XTPAXLSAD	XTPR058DC1	③	(2) XTCE065D00_	XTPAXFA11
XTFR063DD_	55–65	XTPAXLSAD	XTPR063DC1	③	(2) XTCE065D00_	XTPAXFA11

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