XT **Electronic Manual Motor Protector**



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XT Electronic Manual Motor Protector

Product Description

The ***XT*** Electronic Manual Motor Protector provides the same functionality as the ***XT*** thermal manual motor protector, but with an added level of flexibility and selectability. The XTPE incorporates electronic control technology to enable more options and larger dial setting ranges. The trip units are interchangeable, allowing users to exchange as needed using the same base. The reduced number of part numbers decreases bill of material complexity while reducing inventory demands. The XTPE electronic manual motor protector includes the following features:

- 4:1 max to min overcurrent dial setting range
- Selectable trip class (5, 10, 15, 20)
- Interchangeable trip units
- Three base units (12, 32 and 65A)
- Common accessories with the XTPR

Features and Benefits

Advanced Trip Unit



In addition to the selectability, the XTPE is also available with an advanced trip unit that can communicate system data and protector data thru SmartWire-DT. SmartWire-DT is an innovative cost effective connection technology that enables quick installation of control wiring to the starter through a single green cable. When on SmartWire-DT, the XTPE can communicate the following:

- Current Values
  - Maximum phase current
  - Overload warning
- Diagnostics Data
  - Overload fault
  - Cause of trip (overcurrent or short circuit)
  - Phase loss
  - Trip via TEST
- Status Messages
  - Control unit type
  - Overload setting
  - Time-lag
  - Switching status

XTPE Electronic MMP



The XTPE Electronic MMP provides the selectability, control, and insight options that give panel builders and OEMs the solutions necessary to enhance motor control designs while reducing total costs.

Standards and Certifications

- CE approved
- UL Listed File No. E36332
- UL 508 group motor and Type E
- IEC/EN 60947
- CSA File 012528, Class 3211-05

Product Selection

XT Electronic Manual Motor Protector

B Frame



MMP Base

Maximum Amperage	UL/CSA Maximum Three-Phase hp Ratings 200V	240V	480V	600V	IEC Maximum Motor kW Ratings 220V 230V 240V	380V 400V 415V	440V	500V	600V 690V	Base Unit Type Number	Catalog Number
12	3	3	7.5	10	3	5.5	5.5	5.5	7.5	PKE12	**XTPE012B**
32	5	7.5	15	20	7.5	15	15	18.5	30	PKE32	**XTPE032B**
65	15	15	40	40	18.5	30	37	45	55	PKE65	**XTPE065D**

B Frame



MMP Trip Units

Overload Release Setting Amp Range	For Use with Base Catalog Number	UL/CSA Maximum Three-Phase hp Ratings 200V	240V	480V	600V	IEC Maximum Motor kW Ratings 220V 230V 240V	380V 400V 415V	440V	500V	600V 690V	Trip Unit Type Number	Catalog Number
0.3–1.2	XTPE012B	①	①	0.5	0.5	0.18	0.37	0.37	0.37	0.75	PKE-XTU-1,2	**XTPEXT1P2B**
1–4	XTPE012B	0.75	0.75	2	3	0.75	1.5	1.5	2.2	3	PKE-XTU-4	**XTPEXT004B**
3–12	XTPE012B	3	3	7.5	10	3	5.5	5.5	5.5	7.5	PKE-XTU-12	**XTPEXT012B**
	XTPE032B											
8–32	XTPE032B	5	7.5	15	20	7.5	15	15	18.5	30	PKE-XTU-32	**XTPEXT032B**
8–32	XTPE065D	7.5	7.5	20	25	7.5	15	15	18.5	30	PKE-XTUW-32	**XTPEXT032D**
16–65	XTPE065D	15	15	40	40	18.5	30	37	45	55	PKE-XTU-65	**XTPEXT065D**

B Frame



MMP Advanced Trip Units Used with SmartWire-DT

Overload Release Setting Amp Range	For Use with Base Catalog Number	UL/CSA Maximum Three-Phase hp Ratings 200V	240V	480V	600V	IEC Maximum Motor kW Ratings 220V 230V 240V	380V 400V 415V	440V	500V	600V 690V	Trip Unit Type Number	Catalog Number
0.3–1.2	XTPE012B	①	①	0.5	0.5	0.18	0.37	0.37	0.37	0.75	PKE-XTUA-1,2	**XTPEXTA1P2B**
1–4	XTPE012B	0.75	0.75	2	3	0.75	1.5	1.5	2.2	3	PKE-XTUA-4	**XTPEXTA004B**
3–12	XTPE012B	3	3	7.5	10	3	5.5	5.5	5.5	7.5	PKE-XTUA-12	**XTPEXTA012B**
	XTPE032B											
8–32	XTPE032B	5	7.5	15	20	7.5	15	15	18.5	30	PKE-XTUA-32	**XTPEXTA032B**
8–32	XTPE065D	7.5	7.5	20	25	7.5	15	15	18.5	30	PKE-XTUWA-32	**XTPEXTA032D**
16–65	XTPE065D	15	15	40	40	18.5	30	37	45	55	PKE-XTUA-65	**XTPEXTA065D**

D Frame



MMP Complete Assembly

Overload Release Setting Amp Range	UL/CSA Maximum Three-Phase hp Ratings 200V	240V	480V	600V	IEC Maximum Motor kW Ratings 220V 230V 240V	380V 400V 415V	440V	500V	600V 690V	Complete Manual Motor Protector Type Number	Catalog Number
0.3–1.2	①	①	0.5	0.5	0.18	0.37	0.37	0.37	0.75	PKE12/XTU-1,2	**XTPE1P2BCS**
1–4	0.75	0.75	2	3	0.75	1.5	1.5	2.2	3	PKE12/XTU-4	**XTPE004BCS**
3–12	3	3	7.5	10	3	5.5	5.5	5.5	7.5	PKE12/XTU-12	**XTPE012BCS**
8–32	5	7.5	15	20	7.5	15	15	18.5	30	PKE32/XTU-32	**XTPE032BCS**
8–32	7.5	7.5	20	25	7.5	15	15	18.5	30	PKE65/XTUW-32	**XTPE032DCS**
16–65	15	15	40	40	18.5	30	37	45	55	PKE65/XTU-65	**XTPE065DCS**

Note

① In this range, calculate motor rating according to rated current. Specified values to NEC 430.6 (A) (1).