XT IEC power control

Quick selector

Powering Business Worldwide

The ***XT*** Line of IEC Power Control, consisting of contactors, overload relays, mini controls, manual motor protectors and combination style starters, is one of the world's newest and most complete IEC Power Control product lines on the market. The ***XT*** applies new technology and design to help OEMs address five basic needs:

Toolless assembly
- Requires no tools to assemble
- Applies to B-Frame (10 hp, 15A) reversing and star-delta contactors, combination style starters and surge suppressor accessories

Combination style starters
- One unit replaces traditional breaker/fuse block with contactor and overload, saving installation time and effort

Coil terminations
- Easily accessible coil terminations in the front of the contactor make installation, testing, and replacement much easier and safer

Small contactors
- Smallest 10 hp contactor on the market
- All ***XT*** DC controlled contactors have the same depth as AC controlled ***XT*** contactors
- Reduced panel space can help decrease enclosure size and costs

Side-by-side mounting
- Low coil consumption allows for side-by-side mounting
- Reversing contactors require no additional width for the mechanical interlock
- Reduced panel space can help decrease enclosure size and costs

Combination style starters
- Replaces traditional breaker/fuse block with contactor and overload
- Reduced panel space can help decrease enclosure size and costs

Electronic coils
- Efficient coil design—185A to 2000A
- ***XT*** contactors have low coil consumption, translating to smaller, less expensive CPTs and power supplies
- Unique control scheme allows for direct control from a PLC or low consumption command device
- Can eliminate the need for a large CPT and interposing relay leading to a reduction in component costs, and smaller enclosure size and costs

Surge suppression
- Surge suppression built-in to electronic coils
- Included in all DC coils
- Included in all AC coils above 185A

Electronic DC coils
- Larger pick-up voltage tolerance and operation range
- Consistent switch-on and switch-off
- Voltage dip ride-through
- Surge suppression included

Better motor performance and protection
- Phase loss and phase imbalance protection conserve motor life and ensure optimum motor performance

Excellent quality performance
- ***XT*** has best in class warranty PPM (parts per million) when compared with similar electrical manufacturers

Slideable DIN rail adapter
- Allows for easy component replacement without removal of adjacent components and terminations
- Allows for last minute changes and design flexibility

Visible coil power indication
- Enables easy troubleshooting and testing of contactor operation
- Applies to contactors and combination style starters up to 150A

Overload selectability
- 5:1 ratio current adjustment range, selectable trip class (5, 10, 20, 30) and selectable reset style as standard, allowing for greater flexibility using less part numbers

Better termination
- Top/bottom dual chamber terminals provide a more secure termination for wires of differing size, minimizing the chance that a wire could become loose
- Applies to contactors up to 500A and manual motor protectors (MMPs)/combination style controllers up to 65A

Removable electrical bridge
- Removing electrical bridge ensures starter is off-line during servicing
- Applies to combination style starters up to 15A

Finger-safe and back-of-hand proof
- Requires no additional shield accessories
- Applies to contactors up to 150A and MMPs up to 65A

Contactors

Frame	Catalog Number ❶	Aux Contact	UL/CSA Ratings hp 200V 3-P	hp 230V 3-P	hp 460V 3-P	hp 600V 3-P	General Purpose Amps	IEC Ratings AC-3 (A)	AC-1 (A)
A	XTMC6A10_	1NO	1.5	2	3	3	15	6.6	20
	XTMC6A01_	1NC	1.5	2	3	3	15	6.6	20
	XTMC9A10_	1NO	2	3	5	5	15	8.8	20
	XTMC9A01_	1NC	2	3	5	5	15	8.8	20
B	XTCE007B10_	1NO	1.5	2	3	5	20	7	20
	XTCE007B01_	1NC	1.5	2	3	5	20	7	20
	XTCE009B10_	1NO	3	3	5	7.5	20	9	20
	XTCE009B01_	1NC	3	3	5	7.5	20	9	20
	XTCE012B10_	1NO	3	3	10	10	20	12	20
	XTCE012B01_	1NC	3	3	10	10	20	12	20
	XTCE015B10_	1NO	5	5	10	10	20	15.5	20
	XTCE015B01_	1NC	5	5	10	10	20	15.5	20
C	XTCE018C10_	1NO	5	5	10	15	40	18	35
	XTCE018C01_	1NC	5	5	10	15	40	18	35
	XTCE025C10_	1NO	7.5	10	15	20	40	25	40
	XTCE025C01_	1NC	7.5	10	15	20	40	25	40
	XTCE032C10_	1NO	10	10	20	25	40	32	40
	XTCE032C01_	1NC	10	10	20	25	40	32	40
D	XTCE040D00_	—	10	15	30	40	55	40	50
	XTCE050D00_	—	15	20	40	50	65	50	65
	XTCE065D00_	—	20	25	50	60	80	65	80
	XTCE072D00_	—	20	25	50	60	80	72	80
F–G	XTCE080F00_	—	25	30	60	75	125	80	90
	XTCE095F00_	—	25	40	75	100	125	95	110
	XTCE115G00_	—	40	50	100	100	160	115	130
	XTCE150G00_	—	40	60	125	125	160	150	160
	XTCE170G00_	—	40	60	125	125	225	170	185

Overload Relays

	Catalog Number	FLA Adjustment Range (A)
XTOM-Thermal	XTOMP16AC1	0.1–0.16
	XTOMP24AC1	0.16–0.24
	XTOMP40AC1	0.24–0.4
	XTOMP60AC1	0.4–0.6
	XTOM001AC1	0.6–1
	XTOM1P6AC1	1–1.6
	XTOM2P4AC1	1.6–2.4
XTOB-Thermal	XTOB001BC1	0.6–1
	XTOB1P6BC1	1–1.6
	XTOB2P4BC1	1.6–2.4
	XTOB004BC1	2.4–4
	XTOB006BC1	4–6
	XTOB010BC1	6–10
	XTOB012BC1	9–12
	XTOB016BC1	12–16
XTOE…BCS	XTOE1P6BCS	0.33–1.65
	XTOE005BCS	1–5
	XTOE020BCS	4–20
XTOB-Thermal	XTOB004CC1	2.4–4
	XTOB006CC1	4–6
	XTOB010CC1	6–10
	XTOB016CC1	10–16
	XTOB024CC1	16–24
	XTOB032CC1	24–32
	XTOB038CC1	24–38
XTOE…CCS	XTOE1P6CCS	0.33–1.65
	XTOE005CCS	1–5
	XTOE020CCS	4–20
	XTOE045CCS	9–45
XTOB-Thermal	XTOB024DC1	16–24
	XTOB040DC1	24–40
	XTOB057DC1	40–57
	XTOB065DC1	50–65
	XTOB075DC1	65–75
XTOE…DCS	XTOE045DCS	9–45
	XTOE100DCS	20–100
XTOB-Thermal	XTOB070GC1	50–70
	XTOB100GC1	70–100
	XTOB125GC1	95–125
	XTOB150GC1	120–150
	XTOB170GC1	145–175
XTOE…GCS	XTOE100GCS	20–100
	XTOE175GCS	35–175

Auxiliary Contacts

Catalog Number	Mounting Location	Contact Configuration
XTMCXFA11	Front	1NO/1NC
XTMCXFA20	Front	2NO
XTMCXFA02	Front	2NC
XTMCXFA40	Front	4NO
XTMCXFA31	Front	3NO/1NC
XTMCXFA22	Front	2NO/2NC
XTMCXFA04	Front	4NC
XTCEXFAC11	Front	1NO/1NC
XTCEXFAC20	Front	2NO
XTCEXFAC02	Front	2NC
XTCEXFAC40	Front	4NO
XTCEXFAC31	Front	3NO/1NC
XTCEXFAC22	Front	2NO/2NC
XTCEXFAC04	Front	4NC
XTCEXSCC11 (for C Frame only)	Side	1NO/1NC
XTCEXFBG11	Front	1NO/1NC
XTCEXFBG20	Front	2NO
XTCEXFBG02	Front	2NC
XTCEXFBG40	Front	4NO
XTCEXFBG31	Front	3NO/1NC
XTCEXFBG22	Front	2NO/2NC
XTCEXFBG04	Front	4NC
XTCEXSBN11	Side	1NO/1NC

Accessories

Frame	Mechanical Interlock Catalog Number	Reversing Link Kits Catalog Number
A	XTMCXML	XTMCXRL
B	XTCEXMLB	XTCEXRLB
C	XTCEXMLC	XTCEXRLC
D	XTCEXMLD	XTCEXRLD
F–G	XTCEXMLG	XTCEXRLG

For a complete listing of products and ratings, please see the ***XT*** IEC Power Control Catalog Supplement, CA03407001E.

❶ Replace underscore with coil voltage suffix from table below.

Relays

Frame	Catalog Number ❶	Contact Configuration	Thermal Current I_{th}
A	XTRM10A40_	4NO	10
	XTRM10A31_	3NO/1NC	10
	XTRM10A22_	2NO/2NC	10
B	XTRE10B40_	4NO	16
	XTRE10B31_	3NO/1NC	16
	XTRE10B22_	2NO/2NC	16

Auxiliary Contacts

Catalog Number	Mounting Location	Contact Configuration
XTMCXFA11	Front	1NO/1NC
XTMCXFA20	Front	2NO
XTMCXFA02	Front	2NC
XTMCXFA40	Front	4NO
XTMCXFA31	Front	3NO/1NC
XTMCXFA22	Front	2NO/2NC
XTMCXFA04	Front	4NC
XTCEXFAC11	Front	1NO/1NC
XTCEXFAC20	Front	2NO
XTCEXFAC02	Front	2NC
XTCEXFAC40	Front	4NO
XTCEXFAC31	Front	3NO/1NC
XTCEXFAC22	Front	2NO/2NC
XTCEXFAC04	Front	4NC

Accessories

Frame	Mechanical Interlock Catalog Number
A	XTMCXML
B	XTCEXMLB

❶ Replace underscore with coil voltage suffix from table at right.

XT

IEC Power Control

Global products mean global solutions

DIN Rail/Panel Mount Adapter for Thermal (XTOB) Overload Relay

Catalog Number	Frame Size
XTOBXDINC	C
XTOBXDIND	D

Common Coil Voltage

Voltage	Suffix Code
120 Vac	A
240 Vac	B
24 Vac	T
24 Vdc	TD

Manual Motor Protectors

Frame	Catalog Number	FLA Adjustment Range
Pushbutton		
B	XTPBP16BC1	0.1–0.16
	XTPBP25BC1	0.16–0.25
	XTPBP40BC1	0.25–0.4
	XTPBP63BC1	0.4–0.63
	XTPB001BC1	0.63–1
	XTPB1P6BC1	1–1.6
	XTPB2P5BC1	1.6–2.5
	XTPB004BC1	2.5–4
	XTPB6P3BC1	4–6.3
	XTPB010BC1	6.3–10
	XTPB012BC1	8–12
	XTPB016BC1	10–16
	XTPB020BC1	16–20
	XTPB025BC1	20–25
Rotary		
B	XTPRP16BC1	0.1–0.16
	XTPRP25BC1	0.16–0.25
	XTPRP40BC1	0.25–0.4
	XTPRP63BC1	0.4–0.63
	XTPR001BC1	0.63–1
	XTPR1P6BC1	1–1.6
	XTPR2P5BC1	1.6–2.5
	XTPR004BC1	2.5–4
	XTPR6P3BC1	4–6.3
	XTPR010BC1	6.3–10
	XTPR012BC1	8–12
	XTPR016BC1	10–16
	XTPR020BC1	16–20
	XTPR025BC1	20–25
	XTPR032BC1	25–32
Rotary		
D	XTPR016DC1	10–16
	XTPR025DC1	16–25
	XTPR032DC1	25–32
	XTPR040DC1	32–40
	XTPR050DC1	40–50
	XTPR058DC1	50–58
	XTPR063DC1	55–65

Auxiliary Contacts

Catalog Number	Mounting Location	Contact Configuration
XTPAXFA11	Front	1NO/1NC
XTPAXFA10	Front	1NO
XTPAXSA11	Side	1NO/1NC
XTPAXSA12	Side	1NO/2NC
XTPAXSA21	Side	2NO/1NC
XTPAXSATR20 (Trip indicating)	Side	2 x 1NO
XTPAXSATR02 (Tip indicating)	Side	2 x 1NC

Enclosures

Fits MMP Only, No Side Mount Accessories

Catalog Number	Protection	Description
XTPBXENAS65	IP65 NEMA 3R, 4X, 12, 13	With actuating diaphragm
XTPBXENASES65	IP65 NEMA 3R, 4X, 12, 13	With Emergency-Stop (E-Stop) pushbutton actuator, red/yellow
XTPAXENAS55B	IP55 NEMA 1, 12, 3R	With black/grey rotary handle
XTPAXENAS55RY	IP55 NEMA 1, 12, 3R	With red/yellow rotary handle for use as Emergency-Stop switch to VDE 0113
XTPAXENCSD65B	IP55 NEMA 1, 12, 3R	With black/grey rotary handle
XTPAXENCSD65RY	IP55 NEMA 1, 12, 3R	With red/yellow rotary handle for use as Emergency-Stop switch to IEC/EN 60204

Accessories

Three-Phase Commoning Links Catalog Number	Description	Line Side Adapter Catalog Number	Combination Connection Kits Catalog Number	For Use with…	IP65 Rotary Handle Mechanism Catalog Number
XTPAXIT	Incoming terminal	N/A	N/A	N/A	N/A
XTPAXCLKA2	Feeds 2 MMPs	XTPAXLSA	XTPAXTPCB	XTCE…B	XTPAXRHMB
XTPAXCLKA3	Feeds 3 MMPs				
XTPAXCLKA4	Feeds 4 MMPs		XTPAXTPCC	XTCE…C	
XTPAXCLKA5	Feeds 5 MMPs				
XTPAXCLKA2D	Feeds 2 MMPs	XTPAXLSAD	XTPAXTPCD	XTCE…D	
XTPAXCLKA3D	Feeds 3 MMPs				
XTPAXCLKA4D	Feeds 4 MMPs				