

XTMC Miniature Contactor



Miniature Controls

Product Description

Eaton's new line of **XT** miniature controls includes non-reversing and reversing mini contactors, mini overload relays and snap-on accessories. A wide range of applications is possible, including small electrical motors from fractional to 5 hp (460 Vac) or up to 4 kW (400 Vac).

Application Description

Due to its compact size, the **XT** line of mini controls is best suited to be applied in light-duty loads, such as hoisting, packaging, material handling, heating, lighting and automation systems. **XT** mini contactors are a particularly compact, economic and environmentally friendly solution wherever control of small motors or loads is required.


Features

Mini Contactors—Types XTMC and XTMF, 6–9A

- AC control from 12V to 550V 50 Hz, 600V 60 Hz
- DC control from 12V to 220V
- Reversing or non-reversing
- Three- and four-pole configurations
 - Three-pole XTMC
 - Four-pole XTMF
- Panel or DIN rail mounting
- IP20 finger and back-of-hand proof
- Low noise operation
- High degree of climatic proofing
- Large ambient temperature range –25° to 50°C [–13° to 122°F]

Contents

Description

	Page
Relays and Timers	V5-T1-3
Miniature Controls	
Catalog Number Selection	V5-T1-19
Product Selection	V5-T1-20
Accessories	V5-T1-24
Technical Data and Specifications	V5-T1-27
Wiring Diagrams	V5-T1-32
Dimensions	V5-T1-34
 An Eaton Green Solution	
Contactors and Starters	V5-T1-35
Thermal Overload Relays	V5-T1-128
C440/ XT Electronic Overload Relay	V5-T1-141
Manual Motor Protectors	V5-T1-157
Combination Motor Controllers	V5-T1-193
XT Electronic Manual Motor Protector	V5-T1-216
EMS—Electronic Motor Starter	V5-T1-229
Reference Data	V5-T1-231

Mini Overload Relays—Bimetallic Type XTOM

- Phase failure sensitivity
- Direct mount to XTMC and XTMF mini contactors
- Trip Class 10
- 11 settings to cover 0.1 to 12A
- Ambient temperature compensated –5° to 50°C [23° to 122°F]
- Manual and automatic reset by selector switch
- One make (NO) or one break (NC) auxiliary contact as standard
- Test/Off button
- Trip-free release

Standards and Certifications

- IEC EN 60947
- CE approved
- UL
- CSA
- CCC
- ATEX

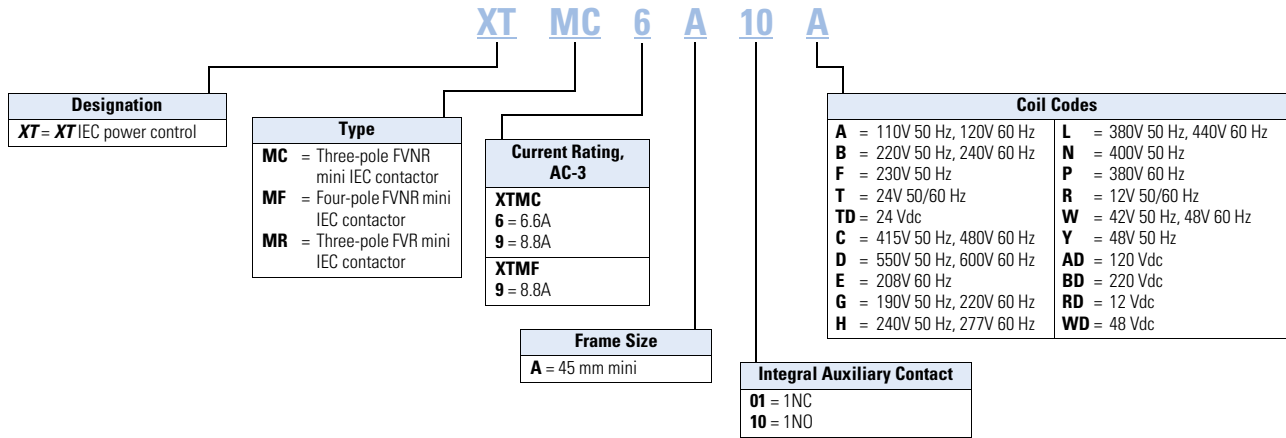


Instructional Leaflets

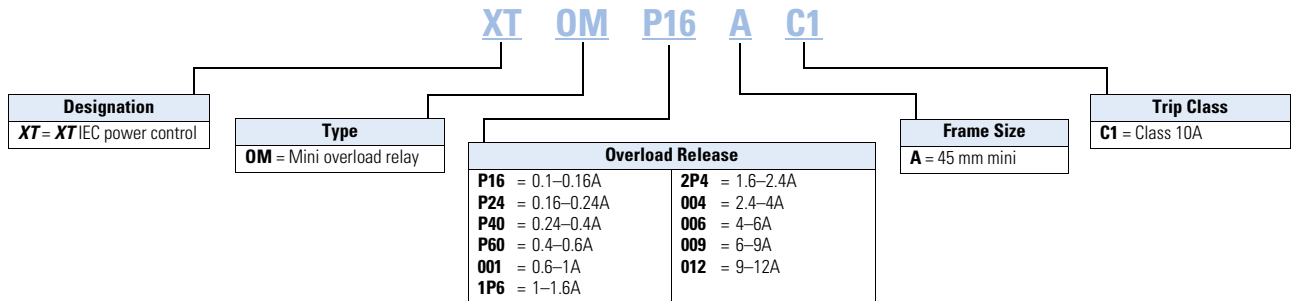
- Pub51219 XTMC, XTMF Mini Contactors, XTRM Mini Control Relay and Accessories
- Pub51243 XTOM Mini Overload Relays
- Pub51206 Mini Reversing Link Kits
- MN03402002E XTOM Mini Overload Relays Installation and User Manual

Catalog Number Selection

XT IEC Miniature Contactors



XT IEC Miniature Overload Relays



Magnet Coil Suffix

Coil Voltage	Suffix Code	Coil Voltage	Suffix Code	Coil Voltage	Suffix Code	Coil Voltage	Suffix Code
110V 50 Hz, 120V 60 Hz	A	415V 50 Hz, 480V 60 Hz	C	400V 50 Hz	N	120 Vdc	AD
220V 50 Hz, 240V 60 Hz	B	550V 50 Hz, 600V 60 Hz	D	380V 60 Hz	P	220 Vdc	BD
230V 50 Hz	F	208V 60 Hz	E	12V 50/60 Hz	R	12 Vdc	RD
24V 50/60 Hz	T	190V 50 Hz, 220V 60 Hz	G	24V 50 Hz	U	48 Vdc	WD
24 Vdc	TD ①	240V 50 Hz, 277V 60 Hz	H	42V 50 Hz, 48V 60 Hz	W	—	—
—	—	380V 50 Hz, 440V 60 Hz	L	48V 50 Hz	Y	—	—

Mini Overload Relays

XTOM_ Mini Overload Relays ②③



Overload Release I _n	Trip Class	Contact Sequence	Contact Configuration	Short-Circuit Protection (A)		Circuit Breaker	CEC/NEC Fuse	Catalog Number
				Type 1 Coordination, gG/gL	Type 2 Coordination, gG/gL			
0.1–0.16A	10A	97 95	1NO-1NC	20	0.5	15	—	XTOMP16AC1
0.16–0.24A	10A		1NO-1NC	20	1	15	—	XTOMP24AC1
0.24–0.4A	10A		1NO-1NC	20	2	15	—	XTOMP40AC1
0.4–0.6A	10A		1NO-1NC	20	2	15	—	XTOMP60AC1
0.6–1A	10A		1NO-1NC	20	4	15	3	XTOM001AC1
1–1.6A	10A		1NO-1NC	20	6	15	6	XTOM1P6AC1
1.6–2.4A	10A		1NO-1NC	20	6	15	6	XTOM2P4AC1
2.4–4A	10A		1NO-1NC	20	—	15	15	XTOM004AC1
4–6A	10A		1NO-1NC	20	—	15	20	XTOM006AC1
6–9A	10A		1NO-1NC	20	—	15	35	XTOM009AC1
9–12A	10A		1NO-1NC	—	—	—	45	XTOM012AC1

Notes

- ① With DC operation: Integrated diode resistor combination, coil rating 2.6W.
 ② Short-circuit protection: Observe the maximum permissible fuse of the contactor with direct device mounting. See MN03402002E for more information.
 ③ When fitted directly to the contactor, a clearance of at least 5 mm is required between the overload relays.