

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]

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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

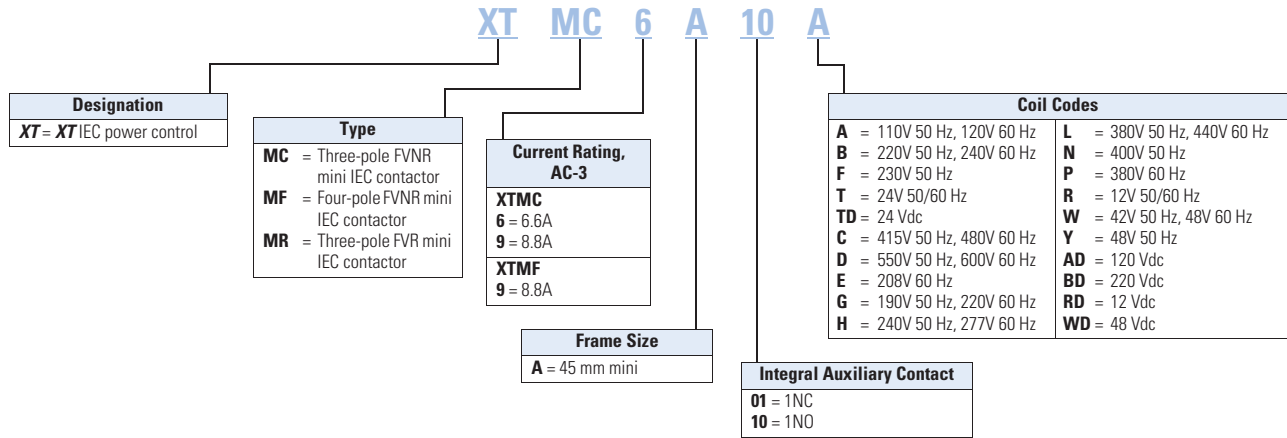


Instructional Leaflets

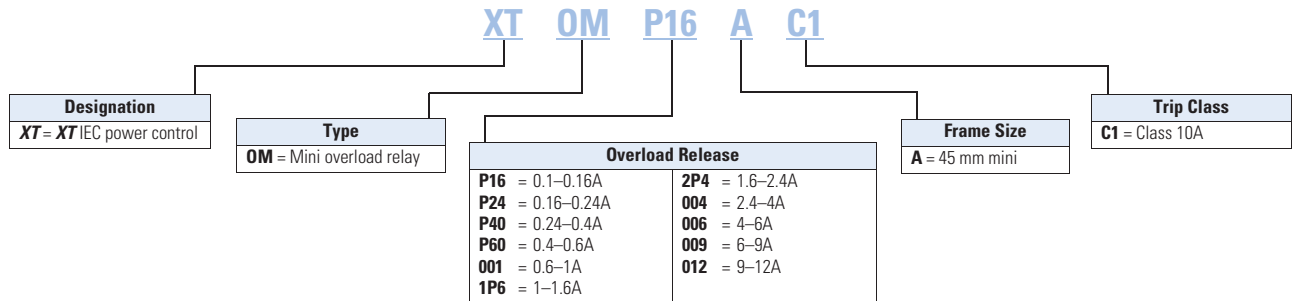
- Pub51219 XTMC, XTMF Mini Contactors, XTRM Mini Control Relay and Accessories
- Pub51243 XTOM Mini Overload Relays
- Pub51206 Mini Reversing Link Kits
- MN03402002E XTOM Mini Overload Relays Installation and User Manual

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

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 | 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 | 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.