

# CONTROL RELAYS

## XTRE Series



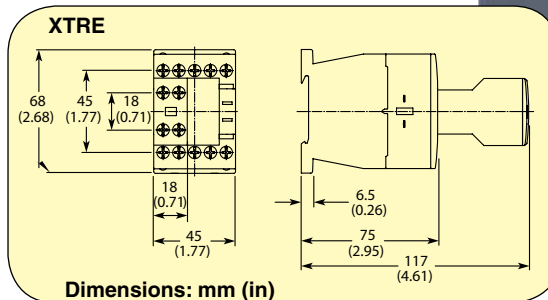
- For Use with Mini and Standard Frame Size Contactors and Starters
- Coil Voltage: 110V 50 Hz, 120V 60 Hz
- Easy Snap-On Front Mount Auxiliary Contacts

XT Control Relays are a standard frame control relay which can be purchased with auxiliary contacts. Because XT meets UL, CSA, CCC and CE standards, it is the perfect product solution for IEC applications all over the world. The compact, space saving, and easy to install XT line of IEC contactors and starters is the efficient and effective solution for customer applications.



XTRE10B22A

All models shown smaller than actual size.



### SPECIFICATIONS

**Standards:** IEC/EN 60947, VDE 0660, UL, CSA, CCC, RoHS

**Weights in kg (lb):** 0.23 (0.51)

**Mechanical Life:** 20,000,000

**Mechanical Operating Frequency (ops/hr) AC Operated:** 9000

**Climatic Proofing:** Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30

**Ambient Temperature:**

**Open:** -25 to 60°C (-13 to 140°F)

**Enclosed:** -25 to 40°C (-13 to 104°F)

**Ambient Storage Temperature:** -40 to 80°C (-40 to 176°F)

**Mechanical Shock Resistance (IEC/EN 60068-2-27) Half-Sinusoidal Shock 10 ms Base Unit with Auxiliary Contact Module:**

**Make Contact:** 7 g

**Break Contact:** 5 g

**Degree of Protection:** IP20

**Protection Against Direct Contact When Actuated from Front (IEC 536):**

Finger- and Back-of-Hand Proof

**Terminal Capacity Main Cable—Screw Terminals**

**Solid (mm<sup>2</sup>):** 1 x (0.75 to 4), 2 x (0.75 to 2.5)

**Flexible with Ferrule (mm<sup>2</sup>):** 1 x (0.75 to 2.5), 1 x (0.75 to 2.5)

**Solid or Stranded (AWG):** 18 to 14

**Terminal Screw:** M3.5

**Pozidriv Screwdriver:** Size 2

**Standard Screwdriver (mm):**

0.8 x 5.5, 1 x 6

**Tightening Torque Nm lb-in:** 1.2

**Contacts**

**Interlocked Opposing Contacts to ZH**

**1/457 with an Auxiliary Contact**

**Module:** YES

**Rated Impulse Withstand Voltage, (Uimp) Vac:** 6000

**Overvoltage Category/ Pollution Degree:** III/3

**Rated Insulation Voltage, (Ui) Vac:** 690

**Rated Operational Voltage, (Ue) Vac:** 690

**Safe Isolation to VDE 0106 Part 101 and Part 101(A) in Vac**

**Between Coil and Auxiliary Contacts:** 400

**Between the Auxiliary Contacts:** 400

**Rated Operational Current, Ie:**

AC-15 220V/240V Ie: 6 A

380/415V Ie: 4 A

500V Ie: 1.5 A

**Control Circuit Reliability (at Ue = 24 Vdc, Umin = 17V, Imin = 5.4 mA)**

10<sup>8</sup>, < one failure at 100 million operations

**Conventional Thermal Current, Ith:** 16 A

**Current Heat Losses at Load of Ith:** 0.3

### To Order

MODEL NO.	DESCRIPTION
XTRE10B22A	Control relay 10 A frame B 2 NO 2 NC 110/50 120/60 coil
XTRE10B31A	Control relay 10 A frame B 3 NO 1 NC 110/50 120/60 coil
XTRE10B40A	Control relay 10 A frame B 4 NO 1 10/50 120/60 coil

Comes with complete operator's manuals.

Ordering Example: XTRE10B22A, relay, XTCEXFAC11, auxiliary contact, XTCEXMLB, mechanical interlock.

### ACCESSORIES

MODEL NO.	DESCRIPTION
XTCEXFAC02	Front mounted snap-on auxiliary contacts seq a frame B-C 2 NC
XTCEXFAC11	Front mounted snap-on auxiliary contacts seq a frame B-C 1 NO 1 NC
XTCEXFAC20	Front mounted snap-on auxiliary contacts seq a frame B-C 2 NO
XTCEXMLB	Contactor accessory mechanical interlock frame B