

XTSE Series
XTSE safety contactors



Designed to take safety to the next level



Eaton's XTSE safety contactors are designed with the OEM and end customer in mind. XTSE contactors integrate to applications to not only achieve the highest safety circuits, but also include advanced feature sets that reinforce end-user safety. Eaton XTSE contactors were designed to stand out, and so do our customers who use them.

Features

- Safe status monitoring of the contactor (inspection window); manual activation is not possible
- Eligible to be used for Emergency-stop application with controlled start (category 4)
- Reliable and self-monitoring machine-control circuits
- Interlocking opposing contacts, in line with IEC 60947-5-1, Annex L
- Mirror contacts in line with IEC 60947-4-1, Annex F
- Highlighted in yellow (RAL1004) —the international safety color
- Reliable screw terminals
- Integrated top-mounted auxiliary contacts
- SUVA certified
- Functional safety integration

Certifications

- UL
- CE
- CSA
- SUVA



Product range

The XTSE range of contactors comprises four different sizes and covers the power range between 7 A and 150 A. The XTSRE safety relay, available in two different coil voltages, rounds out Eaton's product range in this area.

The following auxiliary contact options are available:

- 110 V, 50 Hz; 120 V, 60 Hz
- 24 Vdc (RDC24)

Benefits

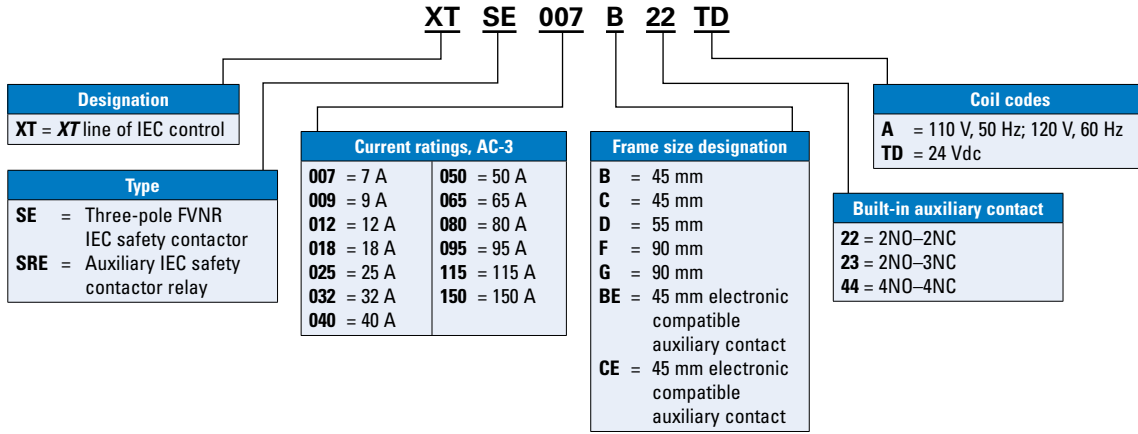
The Eaton safety contactors provide up to 1.3/1.7 million switching cycles until 10% of tested and worn components have failed.


| Safety characteristics | Level | | | | |
|------------------------|-------|---|---|---|---|
| Cat | B | 1 | 2 | 3 | 4 |
| PL | a | b | c | d | e |
| SIL | 1 | 2 | 3 | | |







Powering Business Worldwide

| Type | EN ISO 13849-1 B10d (switching cycles) | EN 62061 B10d (switching cycles) |
|---------------|--|----------------------------------|
| XTSE007B-012B | 1,782,229 | 1,336,672 |
| XTSE018C-032C | 966,617 | 724,963 |
| XTSE040D-065D | 1,341,161 | 1,005,871 |
| XTSE080F-095F | 1,058,707 | 772,856 |
| XTSE115G-150G | 1,705,268 | 1,278,856 |



| Safety relay | Conventional thermal current I_{th} (A) | Rated operational current AC-15 I_e (A) | | | Auxiliary contacts | Coil voltage | |
|---|--|---|-----------|-------|---------------------|-------------------------------|----------------------|
| | | 220-240 V | 380-415 V | 500 V | | 110 V, 50 Hz; 120 V, 60 Hz | 24 Vdc |
|  | 16 | 6 | 4 | 1.5 | 4NO, 4NC | XTSRE10B44A | XTSRE10B44TD |
| | 16 | 6 | 4 | 1.5 | 3NO, 3NC+1NO, 1NC ① | XTSRE10BE44A | XTSRE10BE44TD |

| Safety contactor | Horsepower rating (hp), three-phase | | | | Auxiliary contacts | Coil voltage | |
|---|-------------------------------------|-----------|-----------|-----------|---------------------|-------------------------------|----------------------|
| | 200/208 V | 230/240 V | 460/480 V | 575/600 V | | 110 V, 50 Hz; 120 V, 60 Hz | 24 Vdc |
|  | 1 ½ | 2 | 3 | 5 | 2NO, 3NC | XTSE007B23A | XTSE007B23TD |
| | 3 | 3 | 5 | 7 ½ | 2NO, 3NC | XTSE009B23A | XTSE009B23TD |
| | 3 | 3 | 10 | 10 | 2NO, 3NC | XTSE012B23A | XTSE012B23TD |
| | 1 ½ | 2 | 3 | 5 | 1NO, 2NC+1NO, 1NC ① | XTSE007BE23A | XTSE007BE23TD |
| | 3 | 3 | 5 | 7 ½ | 1NO, 2NC+1NO, 1NC ① | XTSE009BE23A | XTSE009BE23TD |
|  | 3 | 3 | 10 | 10 | 1NO, 2NC+1NO, 1NC ① | XTSE012BE23A | XTSE012BE23TD |
| | 5 | 7 ½ | 10 | 15 | 2NO, 3NC | XTSE018C23A | XTSE018C23TD |
| | 7 ½ | 7 ½ | 15 | 20 | 2NO, 3NC | XTSE025C23A | XTSE025C23TD |
| | 10 | 10 | 20 | 25 | 2NO, 3NC | XTSE032C23A | XTSE032C23TD |
| | 5 | 7 ½ | 10 | 15 | 1NO, 2NC+1NO, 1NC ① | XTSE018CE23A | XTSE018CE23TD |
|  | 7 ½ | 7 ½ | 15 | 20 | 1NO, 2NC+1NO, 1NC ① | XTSE025CE23A | XTSE025CE23TD |
| | 10 | 10 | 20 | 25 | 1NO, 2NC+1NO, 1NC ① | XTSE032CE23A | XTSE032CE23TD |
| | 10 | 15 | 30 | 40 | 2NO, 2NC | XTSE040D22A | XTSE040D22TD |
| | 15 | 20 | 40 | 50 | 2NO, 2NC | XTSE050D22A | XTSE050D22TD |
| | 20 | 25 | 40 | 60 | 2NO, 2NC | XTSE065D22A | XTSE065D22TD |
|  | 25 | 30 | 60 | 75 | 2NO, 2NC | XTSE080F22A | XTSE080F22TD |
| | 25 | 40 | 75 | 100 | 2NO, 2NC | XTSE095F22A | XTSE095F22TD |
| | 40 | 50 | 100 | 125 | 2NO, 2NC | XTSE115G22A | XTSE115G22TD |
| | 40 | 60 | 125 | 125 | 2NO, 2NC | XTSE150G22A | XTSE150G22TD |

① 1NO and 1NC electronic compatible.

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