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Motor Protection Circuit Breaker (MPCB)

Introduction - Motor Protection Circuit Breaker

We introduce latest range of TC MPCB (Motor protection circuit breakers) offering wide range up to 100A & high breaking capacity up to 100Ka. TC MPCBs are most suitable for switching & protection three-phase induction motors up to 45KW at 415VAC and for loads up to 100A. Its compact design saves size of a panel by having both functions of MCCB and Thermal Overload Relay. The interrupt ratings are the world best level. Trip ratings is designed according to IS13947/IEC 60947-1, 2, 4 / UL508 standard. TC MPCB is designed to satisfy coordination with TC Magnetic Contactor.



TC MPCB is available in three frame sizes: 32AF, 63AF & 100AF. 32AF is available both with rotary & toggle knobs whereas 63AF & 100AF are available with rotary handles. TC MPCB delivers more efficiency through various functions & compact design such as:

- Protection of group installation.
- Protection of circuits
- Starter protection.
- Wide range of ambient temperature compensation.
- Phase failure protection.

TC MPCB offers excellent features for ease of both end users & panel makers such as:

- Compact width in three sizes : 32AF : 45mm , 63AF : 55mm & 100AF : 70mm
- Distinct three position : ON-TRIP-OFF
- Complete range of common accessories like Aux. Switch, Alarm Switch, Fault alarm Switch, Shunt trip & under voltage trip. Accessories remain common for entire range.
- Locking of handle in OFF position.
- Class 10 over load trip characteristics.
- Trip test facility.
- Finger proof terminals.
- DIN rail & Screw mounting.

TC MPCB confirms to national (IS13947) & International (IEC60947) standards and accreditation to CE, UL & ULc certification as well.