



KRISHNA

3MPI SERIES (SELF HOLD)

SINGLE PHASE, SELF HOLD
THERMAL OVERLOAD PROTECTOR (TOP)
SWITCHES

PRODUCT OVERVIEW

"Krishna" 3MPI Series Self Hold Single Phase Thermal Overload Protector (TOP) switches are developed for 120 and 250 VAC applications. Due to growing demand for non self re-setting over load protector for motor protection against current fluctuation and overheating. We have developed self hold motor protector by using PTC pill it operates in wide temperature and current ranges than offered by other available protection devices. The main function of PTC pill is to hold the heat until power supply is on, to prevent our protector to re-start automatically. The operating principal of this self hold type protector is excellent. The protector will operate by the current and heat received from the surrounding area. Electrical circuit will break when protector reaches at its pre-set open temperature or by the excess current supply than the specified limit. PTC will not allow the protector to auto reset as it will hold the heat until power supply is continued. When power supply will be switched off, the PTC pill release the heat and protector will re-set automatically at preset desired temperature.

KEY FEATURES

- ◇ Provide significant level of safety for appliances which has rotating part connected to it.
- ◇ Available with variety of terminal configuration for easy mounting & handling.
- ◇ Customised coding and colour of coding tape can be provided.
- ◇ Positive Snap action disc for contact break & make.
- ◇ Wide range of current temperature settings for maximum design flexibility.
- ◇ Temperature settings as per customer's specifications.
- ◇ Opening (cut off) temperature is constant within $\pm 5^{\circ}\text{C}$.
- ◇ Wide selection of lead wire and insulating sleeves.
- ◇ Cadmium free contacts

USAGES

"Krishna" 3MPI self hold (TOP) switches are used to provide safety to a wide range of Domestic and Industrial electric motors. A short typical applications are:

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| ◇ Dryers | ◇ Dish Washers |
| ◇ Washing Machine | ◇ Vacuum Cleaner |
| ◇ Single Phase Electric Motor | ◇ Trimmers |
| ◇ Pumps | ◇ Lawn Mowers |
| ◇ Others as per customers design and applications | |

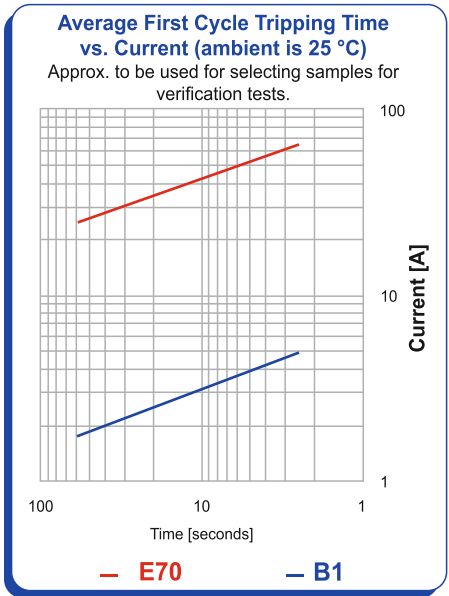
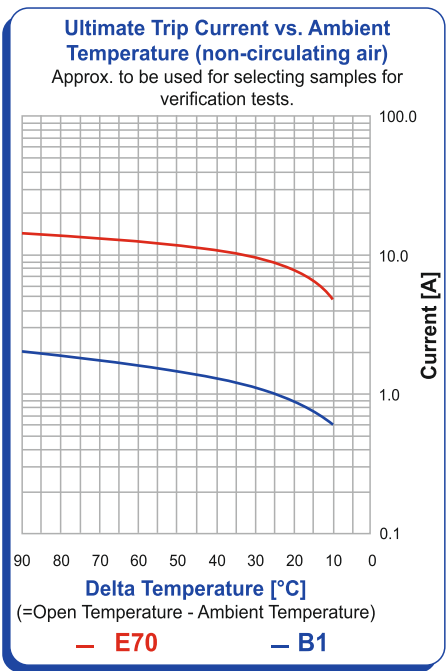
THE ETERNAL GUARDIAN FOR MOTOR PROTECTION

QUALITY

"Krishna" 3MPI Self Hold (TOP) switches are automatically assembled, calibrated and rigorously tested in modern, custom designed computerized test equipments with the applications of Statistical Quality Control (SQC) system.

SPECIFICATIONS

Standard Opening Temperature Range	80 °C to 170 °C
Tolerance on Open Temperature	$\pm 8^{\circ}\text{C}$
Ambient Temperature to guarantee stable self hold function	0 °C
Peak Temperature (5 min.)	200 °C
Time Check T-ambient 25 °C	4 to 10 seconds
Contact rating	18A @ cos 0.6/250 VAC/300 cycles



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