



## 7AMI SERIES

SINGLE PHASE  
THERMAL OVERLOAD PROTECTOR (TOP)  
SWITCHES

### PRODUCT OVERVIEW

"Krishna" 7AMI single phase Thermal Overload Protector (TOP) switches provides complete protection to electrical equipments against over heating due to over current, fluctuating voltage, overload conditions and mechanical malfunctions. They are made to protect equipments and appliances from fire & damage. They also provide safety to the user. They are Electro Mechanical type, Miniature design, Accurate, Reliable & Cost effective.

### KEY FEATURES

- ◊ Miniature in Size.
- ◊ Individually temperature calibrated and tested.
- ◊ Positive Snap action disk for contact break & make. Auto reset type.
- ◊ Wide range of current temperature settings for maximum design flexibility.
- ◊ Sealed enclosures suitable for impregnation process (Oil & Water resistance).
- ◊ Temperature settings as per customer's specifications.
- ◊ Opening (cut off) temperature is constant within  $\pm 5^\circ \text{C}$ .
- ◊ Wide selection of leads and insulating sleeves.
- ◊ Cadmium free contacts

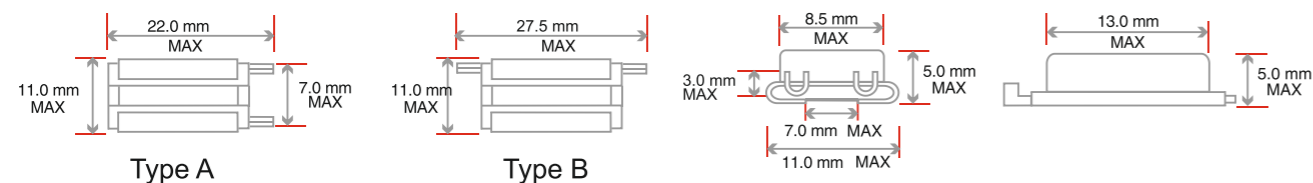
### USAGES

"Krishna 7AMI (TOP) switches are used to provide safety to a wide range of Domestic and Industrial equipments. A short of typical appliances are:

- ◊ Single Phase Electric Motor
- ◊ Dish Washers
- ◊ Wiper Motor
- ◊ Battery Packs
- ◊ Water Pumps
- ◊ Vacuum Cleaner
- ◊ Electrical Ballast for fluorescent Lights
- ◊ Dish Washers
- ◊ Mixer Grinder
- ◊ Others as per customers design and applications

### QUALITY

"Krishna" 7AMI (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.



### SMALL APPLIANCES AND LIGHTENING

Following table can be used for configuration of part number specified on "Krishna" 7AMI TOP Switches

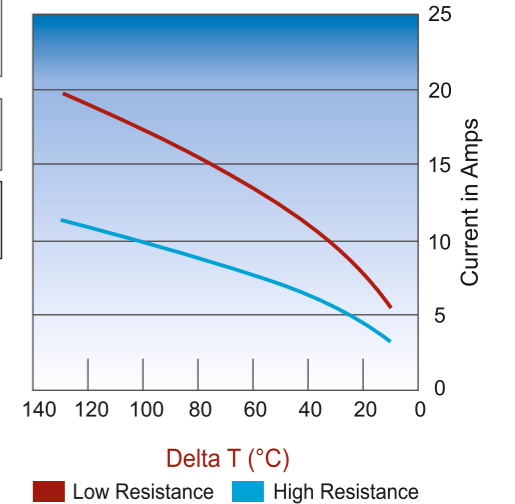
#### CODING SYSTEM

7AMI	023	A
BASIC CODE	STANDARD OPENING TEMPERATURE $^\circ\text{C}$	TYPE OF TERMINAL ORIENTATION

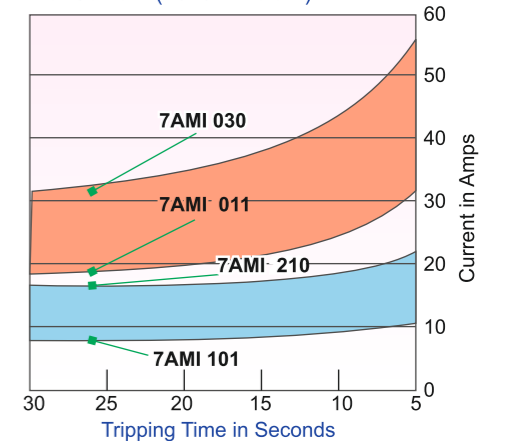
OPENING TEMP $^\circ\text{C}$	TYPE OF BIMETAL DISC		TYPE OF TERMINAL ORIENTATION
	LOW RESISTANCE	HIGH RESISTANCE	
75	011	101	A - Same End B - Opposite End
80	012	102	
85	013	103	
90	014	104	
95	015	105	
100	016	106	
105	017	107	
110	018	108	
115	019	109	
120	020	200	
125	021	201	
130	022	202	
135	023	203	
140	024	204	
145	025	205	
150	026	206	
155	027	207	
160	028	208	
165	029	209	
170	030	210	

#### Ultimate Trip Current vs. Delta Temperature

To be used only for selection of samples and verification of tests.



#### Average First Cycle Tripping Time vs. Current (25°C Ambient)



Make sure your maximum contact needs, do not exceed these voltage / current combinations.

#### Maximum Contact Ratings (10,000 cycles)

Operating Voltage	Operating Current
600 VAC	4 Amps
230 VAC	8 Amps
115 VAC	16 Amps
16 VDC	20 Amps

The "Krishna" 011 to 030 ratings are low resistance bimetal and 101 to 210 ratings are high resistance bimetal. Others special bimetals are available on request.

Agency	File Number	Standard Number	
UL	E247727	2111	
CB	SE-74901	IEC60730-1:1999 +A1	IEC60730-2-2:2001
		IEC60730-2-3:1990 & A1 +A2	IEC60730-2-9:2000 +A1 +A2

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