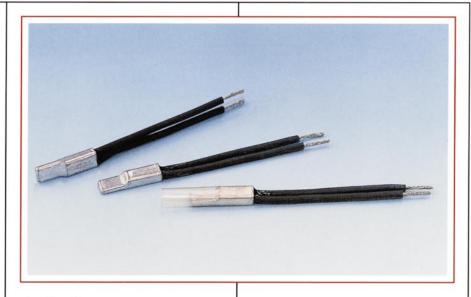
TEXAS INSTRUMENTS 9700 ON-WINDING MOTOR PROTECTOR

As a world market leader in appliance motor protection Texas Instruments builds the 9700 to meet almost any application in this market. This compact motor protector provides locked rotor and overload protection in a wide range of industrial and domestic appliances.

Design and operating principles

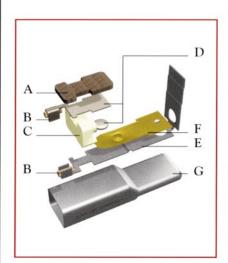
The 9700 design consists of a sealed tin-plated steel can that holds and protects the inner components against penetration of dirt and varnish as well as mechanical forces. The standard 9700 model is supplied with two insulated leads and with shrinkable sleeves as an option. The steel terminal inside the can contains the calibrated Klixon® disc, carrying a contact of fine silver. Another contact is placed on the opposite side, separated from the terminal by an insulator.

The operating principle of the 9700 is both simple and effective. A current flows through the resistive Klixon® bimetal disc. When a fault condition occurs, the increased current and ambient temperature cause the bimetal disc to snap open the contacts. The contacts close again automatically as the device cools down to a safe running temperature.



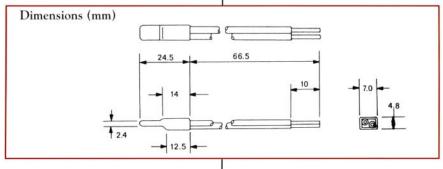
Applications

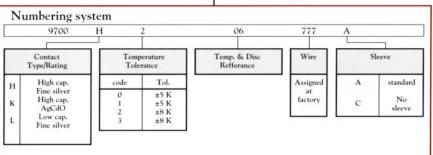
The 9700 operates as a sensitive power cut-out for applications like single and three-phase motors, choke coils, solenoid valves and transformers. In single-phase motors, it can be mounted directly in the main circuit to serve as an on-winding protector. Its compact size assures ease of installation, even in small spaces. At this time there is practically no motor the 9700 cannot protect against overheating and overloading. Texas Instruments' 9700 provides you with a cost-effective solution in terms of maximum quality and reliability.



- A: Insulator
- B: Crimp terminals for insulated leads
- C: Insulator
- D: Contacts
- E: Steel terminal
- F: Calibrated Klixon® snap action
- G: Tin plated steel can







Specifications

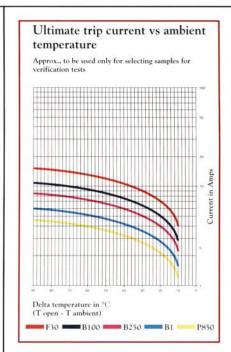
Standard temperature range	75°C - 150°C
Max. ambient temperature	175°C
Tolerance on open temperature	+/- 5°C, +/-8°C

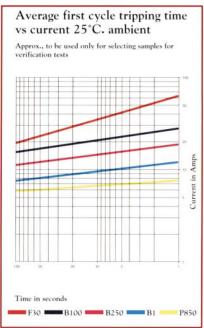
Certifications

Agency	File number
UL (9700K only)	E34618 & E15962
CSA (9700K only)	LR11372-15C & 0400-192
BEAB (9700K only)	CAT.0212
VDE	4464.9-4510-1001
SEMKO (9700K only)	8733170

Maximum contact rating (10,000 cycles)

Type	AMPS				
	24VDC 115VAC 230VAC		250VAC 400VA		
9700H 9700K	18	18		13	9
9700K	18	18	12		- 2







Note

Texas Instruments provides customer assistance in a variety of technical areas. However, since TI does not have full access to the data concerning all of the uses and applications of customers' products, TI does not assume any responsibility for customer product design or for any infringements of patents or rights of others which may result from TI's assistance.





This product is manufactured in:

MALAYSIA

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