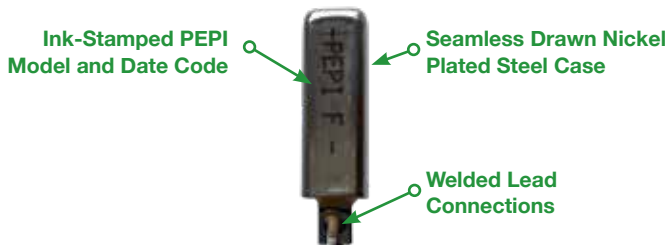




Small size with drawn case to lower profile in motor, transformer and lighting applications.

# MODEL F SERIES

A thermal protector offering both overcharge and short-circuit protection. With a wide temperature calibration range, the Model F offers both versatility and easy customization, including insulating sleeves to isolate device from ambient temperatures that can affect performance.

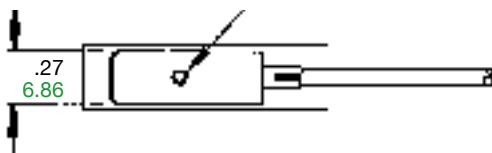


- Tight-Fitted Insulation Sleeve (optional)
- Calibration Dimple
- Bimetal Element
- Epoxy Filled
- Customer Specified Lead Length and Insulating Material

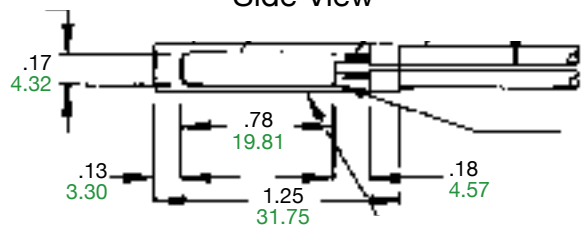
The Model F is normally in the closed position allowing electricity to flow through the circuit. When the circuit load exceeds a preset temperature, the top side of the bimetal blade shortens forcing the blade to snap open, opening the circuit. When the circuit cools, the bimetal returns to its normal position closing the circuit and allowing electricity to once again flow.

Feature	Benefit
Drawn case has small footprint	Fits neatly into motor coils and small spaces
Conductive bimetal construction	Maximizes current sensitivity under short circuit conditions.
Snap action	Quick make / quick break switching action opens circuit upon reaching calibrated temperature.
Wide differential between opening And closing temperatures	Isolates case from circuit improving accuracy since bimetal and contacts are not influenced by extra load from case.
Epoxy-filled case	Isolates case from circuit improving accuracy since bimetal and contacts are not influenced by extra load from case.
Over-sized fine silver contacts	Maximizes reliability.
Preset calibration temperatures	Maximizes accuracy. Calibration cannot be reset in field.

Top View



Side View



Metric dimensions are in MM (shown in green)

We come through when the heat is on®



Pepi®

Portage Electric Products, Inc.

# MODEL F SERIES

## Contact Ratings

12 amps / 120 VAC inductive

8 amps / 240 VAC inductive

\*Please consult our Sales Engineers for suggested contact ratings when applied to DC type loads.

## Calibration Temperature Range

Nominal Calibration Temperatures

60°C - 150°C

Reset temperature

Typically 25°-70°C below opening temperature

## Customization Options

## Effect

Change bimetallic elements

Increase or decrease sensitivity to current

Add lead wires

Speed production at your facility. Choose wire and insulation material best suited to your application

Select calibration temperature

Match application needs

Add sleeves to case

Protect device from environmental concerns or severe ambient temperatures that might influence operation

## Current Derating Curve

