

M55629

Trip Free

Will trip open on overload, even when forcibly held in the ON position.

Trip Indication

The operating handle moves positively to the OFF position on overload.

Ambient Operation

Protectors operate normally in temperatures between -40°C and $+85^{\circ}\text{C}$.

Insulation Resistance

Not less than 100 megohms at 500Vdc.

Dielectric Strength

Protectors withstand 1500 volts, 60Hz for 60 seconds between all electrically isolated terminals. Except auxiliary switch terminals shall withstand 600 Volts at 60Hz.

Endurance

Withstands 10,000 operations at rated voltage and current or withstands 50 operations of 600% AC or 1000% DC rated current at rated voltage followed by 6000 operations at rated voltage and current, in accordance with UL 1077.

Moisture Resistance

Meets all the requirements of MIL-PRF-55629 when tested in accordance with Method 106 of MIL-Std. 202.

Salt Spray (Corrosion)

Meets requirements of MIL-PRF-55629 when tested in accordance with Method 101 of MIL-Std. 202. Protectors are constructed with stainless steel springs and plated parts. In addition to meeting normal requirements for moisture and salt spray resistance, the protector meets the fungus resistance requirements of MIL-PRF-55629.

Poles

One through four poles with the UPGH, one through three poles with all other types. MIL-PRF-55629 (APG) Single, two and three pole versions, with and without the auxiliary switch option, have been qualified to MIL-PRF-55629.

Construction

Series, shunt, relay, dual coil, tapped coil, voltage trip, no-voltage trip, auxiliary switch, switch only. Various delays and combinations.

Shock

Withstands 100G or more without tripping while carrying full rated current per MIL-Std. 202, Method 213, Test Condition I. Instant trip protectors are tested at 80% of rated current.

Vibration

Withstands 10G without tripping while carrying full rated current per MIL-Std. 202, Method 204, Test Condition A. Instant trip protectors are tested at 80% of rated current.