

M39019

Ambient Operation

– 40° C and +100° C

Insulation Resistance

Exceeds 100 megohms at a potential of 100Vdc.

Dielectric Strength

The protector will withstand 1250 volts RMS, 60Hz from terminals to case and between the terminals when open.

Endurance

With the circuit protector operated as an ON-OFF switch, operating life exceeds 10,000 operations at a rate of 6 per minute when tested as follows: 6000 OPS @ rated current plus 4000 OPS @ no load.

Lever Strength

The operating lever or its seal will not be damaged by a 10 lb. force applied in any direction

Shock

All protectors withstand 100G without tripping, even while carrying full rated current with shock applied in any plane of 6 ms duration. Test is made according to Method 213, Test Condition I or MIL-Std-202 as outlined in Paragraph 4.6.14 of MIL-PRF-39019. Delay 40, 50 and 60 breakers are tested at 80% of rated current.

Vibration

All protectors withstand vibration from 10 to 55 cycles at .06 double amplitude and 55 to 2000 cycles at 10G, applied in any plane, without damage and without tripping even while operating at full rated current. Test is made in accordance with Method 204A, Test Condition C, of MILStd-202 as outlined in Paragraph 4.6.12 of MIL-PRF-39019. Delay 40, 50 and 60 protectors are tested at 80% of rated current.

Short Circuit Capacity

When tested in accordance with the procedures of UL1077, AP

supplementary protectors have a short circuit capacity of 1000 amperes at 32Vdc, 120Vac, 240Vac, 60 or 400Hz. Parts are recognized to UL1077 for type UP1 only. The rated Rupture Capacity per MIL-PRF-39019 is 500 amperes, 50 volts DC, 500 amperes, 120 volts AC and 300 amperes, 240 volts AC, 60 or 400Hz.

Case Seal

The breaker is fully sealed and will not show evidence of leakage under total immersion. Meets requirements of MIL-PRF-39019.

Panel Seal

The "O" ring provides, with the other illustrated hardware, a seal against a pressure differential of 15 psi applied for an hour.