

1000V 110kW Dual Fan Starter

Ampcontrol's dual fan starter is designed specifically for hard rock mining applications. The 1000V starter provides control and protection for secondary underground ventilation installations including booster, district or auxiliary fans.

Ampcontrol's range of starters integrates industry leading motor control and protection relays to maximise safety and reliability.

Specifically designed for hard rock mining applications, the PF1 integrated protection relay provides motor control and protection and has the ability to perform two standard protection functions which are compliant to AS/NZS2081 for Earth Leakage and Earth Continuity.

In addition to the AS/NZS2081 compliant protection functions, the PF1 includes a Fan Protection mode. When enabled this manages the gradual pre-inflation of flexible ventilation conduit, by applying a pulsed start-up sequence to the fan motor, preventing damage to the material of the ventilation tube during the initial stages of inflation.

Protection validation is critical to ensure the safest system is maintained. Ampcontrol's Outlet Test System (OTS) provides a fully automated, comprehensive outlet testing facility that eliminates paper-based record keeping. Designed specifically for the hard rock mining industry, the OTS tests and validates the positive operation of the protection functions outlined in AS/NZS2081 and clearance times for earth leakage protection.

The starter features a rugged design with sturdy impact resistant frame encasing the mild steel enclosure, ensuring reliable operation in harsh mining environments.



Features

- + Integrated electronic motor and pump protection using Ampcontrol's PF1 integrated protection relay
- + Industry leading AS/NZS2081 electrical protection testing and validation using the OTS
- + IP rated mild steel enclosure with mechanical impact protection
- + Panel mounted indication, operation and function testing

Product Detail

The starter is fitted with:

- ABB T4V 250 1150v 20kA C/B with U/V, auxiliary contacts and pad lockable handle
- 2 x S&S CA6-210E1 110VAC 132kW contactor
- 2 x CEF1-12 overload electronic 20-180A 110VAC
- 2 x Ampcontrol PF1 integrated protection relay
- 1kV/110VAC 500VA control VT
- Regulated power supply 110V-24V
- Ampcontrol's Outlet Test System (OTS)
- Estop
- Enclosure: 1000mm x 800mm x 300mm, mild steel powder coated enclosure with frame