

# 1000V JUMBO PUMP STARTER

## PRODUCT BROCHURE

***Amcontrol's 1000V jumbo pump starter is designed specifically for hard rock mining applications.***

It provides start and stop control and protection for a wide range of installations particularly for underground applications where the benefits of a combined starter can be realised such as dewatering in drilling and tunnelling installations.

Amcontrol's range of starters integrates industry leading motor control and protection to maximise safety and reliability. Specifically designed for hard rock mining applications, the IPM integrated protection relay provides motor control and protection, with a panel mounted display to easily interface with relay settings.

The IPM relay includes a Snore Function for controlling pumps which automatically stops the output on detection of low current (that is, low water level) and restarts the outlet after a fixed or automatically-adjustable time delay.

Protection validation is critical to ensure the safest system is maintained. Amcontrol'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.

A rugged design with sturdy impact resistant frame encasing the stainless steel enclosure ensures reliable operation in harsh mining environments.



## FEATURES

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

## PRODUCT DETAILS

### THE STARTER IS FITTED WITH:

- S4X 250A 30kA ABB Isomax with shunt trip & auxiliary contacts
- S&S CA6-140EI-11 with 24VAC contactor for jumbo operation
- S&S CA6-115EI-11 with 24VAC contactor for pump operation
- Ampcontrol IPM integrated protection relay
- 1kV/24VAC 300VA Control VT
- Ampcontrol's Outlet Test System (OTS)
- Panel mounted Estop, lock reset, OTS reset and E/L test
- Power on, IPM Alarm and Jumbo run indication
- 150A receptacle with 50mm thimbles for jumbo
- 60A receptacle with 25mm thimbles for Pump
- 24VAC lighting outlet for 18W Burnbrite NB4
- Enclosure: 1200mm x 800mm x 300mm, stainless steel enclosure with powder coated frame

