

Belt Slip & Speed Monitor



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NEPEAN ELECTRONICS

NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

MEASURES 3 X PROXIMITY SWITCHES

The NEPEAN Power Belt Slip and Speed Monitor is designed to fulfill the needs of speed and slip measurement for conveyor systems. The Belt Slip Relay is compliant with AS/NZS 4024.3611:2015 which corresponds to "Safety of Machinery. Conveyors-Belt conveyors for bulk material handling. Clause 2.8.2.2".

Slip Monitoring

- Measures slip between a belt speed (input S1) and two other driven rollers (inputs S2 & S3). Or the slip of one roller from its normal run speed
- Provides the maximum slip measurement (0-50%) on a 4-20mA output
- Provides a proximity sensor fault indication by closing the PROX fault relay output
- A fail-safe relay can provide a trip signal when slippage limits are exceeded

Speed Monitoring

- Measures and displays speed of up to three rollers (via proximity inputs)
- Provides the speed measurement (0-150% of normal run speed) on 4-20mA outputs (for remote monitoring)
- Provides a system healthy indication by closing the 80%-Relay after both start signal and 80% speed is detected
- Both under-speed and over-speed conditions can cause the fail-safe signal to trip



Ordering Information

Part Number	Description
X0289FS	Belt Speed / FailsafeW/ Int Input Resistors For 2 Wire Pros Sens.

