Overview

The PS Series of limit switches are highly modular, with many actuator head and contact options, for position detection and safety guard monitoring applications.

The PS Series has a modular nature, with many actuator head types, including plungers, roller levers, and a rod lever. Units can be ordered complete (factory assembled) or as a separate body and actuator.

Models are available 2 or 3 contacts, in several configurations. The contacts are either snap action (Z) with optional latching (manual reset), or slow action (T) with overlapping, simultaneous, or staggered contacts. All normally closed contacts are positive break, according to IEC 60947-5-1, for use in safety applications. In conjunction with an appropriate safety controller, a single position switch can be used up to PLd; using two position switches, PLe can be achieved according to ISO 13849-1.

Typically used to determine the position or presence of moving parts, work pieces, or conveyed materials, or to monitor the position of rotating or sliding machine guards, these limit switches can be utilized in automation, elevator, and safety applications. They are sealed to be dust tight and withstand strong water jets (IP66) and submersion in water (IP67), suitable for use in adverse ambient conditions of industrial environments.

Applications

- Elevators
- Material handling systems
- Packaging machinery
- Chemical processing equipment
- Folding or brake presses
- Filter presses
- Punching machines
- Printing machines
- Injection molding
- Palletizers
- Conveyor equipment
- Position detection

Available Literature

PS Series Brochure, 28 pages