

PS Series Limit Switches With Safety Function



PS215

PS216



PS226



PS315



PS316



Actuator Elements

Actuator element options for PS215, PS216, PS225:



Actuator element options for PS315 & PS316:



Actuator element options with right angled head:



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.

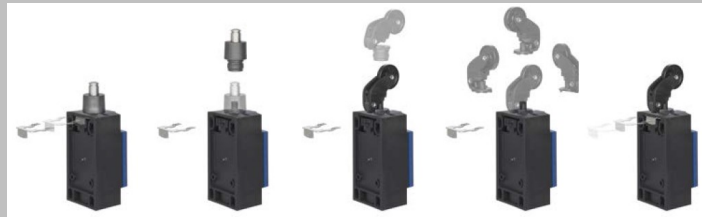
The PS Series has a modular nature, with many actuator head types, including plungers, roller levers, and a rod lever. Units can be ordered complete (factory assembled) or as a separate body and actuator.

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 in adverse ambient conditions of industrial environments.

Actuator Rotation and Replacement

The actuator elements can be adjusted in the field: rotated to one of 8 positions - in 45° steps relative to the body; or replaced with other elements.



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

Ordering Details

PS①-②-③

① Housing size (W x H x D)

Metal	
215	31 x 60 x 33 mm
315	40 x 77.7 x 37.2 mm
Plastic	
216	31 x 60 x 33 mm
226	59 x 56.2 x 33 mm
316	40 x 77.7 x 37.2 mm

② Contact Action/Configuration

Snap Action	
Z02	2 NC
Z11	1 NO & 1 NC
Z12	1 NO & 2 NC
Slow Action	
T02	2 NC
T02H	2 NC, staggered
T11	1 NO & 1 NC
T11UE	1 NO & 1 NC, overlapping
T03	3 NC
T12	1 NO & 2 NC

③ Actuation Element *

For PS215, PS216, PS226	
S200	Plunger
R200	Roller Plunger
K200	Offset roller lever
K210	Offset roller lever
K230	Angle roller lever
K240	Angle roller lever
K250	Angle roller lever
H200	Roller lever
N200	Roller lever
J200	Rod lever **
For PS315, PS316	
S200	Plunger
S300	Plunger
R300	Roller Plunger
K360	Angle roller lever
K370	Offset roller lever
H300	Roller lever
N300	Roller lever
J300	Rod lever **

* Actuation elements can be ordered separately
** not appropriate for use in safety applications

Compatible Safety Controllers

SRB-E-201LC	SRB-E-322ST
SRB-E-201ST	SRB-E-402ST
SRB-E-301ST	SRB-301MC
SRB-E-212ST	

Contact

Schmersal USA

15 Skyline Drive
Hawthorne, NY 10532
Tel: 914-347-4775
Fax: 914-347-1567
E-mail: salesusa@schmersal.com

Schmersal Canada

29 Centennial Road, Unit 1
Orangeville ON L9W 1R1
Tel: 519-307-7540
Fax: 519-307-7543
E-Mail: salescanada@schmersal.com