

Pendulum Level Switch

Overview

ProSense Pendulum Level Switches precisely and efficiently detect the fill level of bulk materials in vibratory feeders and in hopper systems. The innovative electromechanical switch and flexibly mounted pendulum handle mechanical influences effortlessly. The pendulum switches are available in trimmable rod lengths of 100, 200, and 300mm, offering the flexibility to adapt them to your requirements.

Features

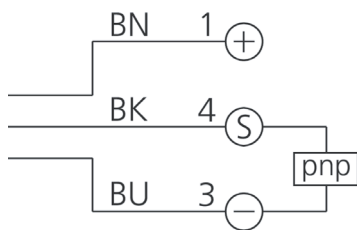
- Reliable detection of bulk materials in vibratory feeders
- Robust design for mechanical influences
- Can be adapted to requirements through three different rod lengths: 100, 200, and 300mm
- Long service life thanks to a wear-free inductive switch
- Quick-disconnect—purchase cable separately



IPS-100-AP-1F

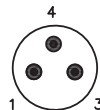
Pendulum Level Switch							
Part Number	Price	Actuator Type	Contact Type	Action	Connection	Weight lb [g]	Drawing Link
<u>IPS-100-AP-1F</u>	\$67.00	One way pendulum with 100mm plastic rod	N.O. PNP	Gravity return	3-pin M8 quick-disconnect	0.084 [38.1]	<u>PDF</u>
<u>IPS-200-AP-1F</u>	\$74.00	One way pendulum with 200mm plastic rod				0.098 [44.45]	<u>PDF</u>
<u>IPS-300-AP-1F</u>	\$79.00	One way pendulum with 300mm plastic rod				0.456 [206.84]	<u>PDF</u>

Wiring Diagram

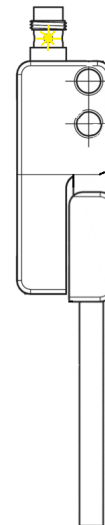


Connector

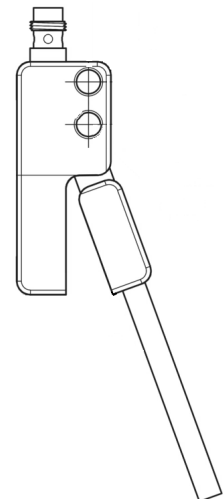
M8 Connector



Output ON



Output OFF



Pendulum Level Switch

Specifications	
Operating Voltage	10–30 VDC
Internal Power Consumption	10 mA
Insulation Voltage Endurance	<500 VDC
Switching Output	200 mA
Voltage Drop	1.5V max.
Switching Frequency	1000 Hz
Display	LED yellow - Switching output
Shock/Vibration Load	IEC 60068-2-27:2009 30g, 11 ms, IEC 60068-2-6:2008 10–55 Hz, 30 min/axis, 1mm
Operating Temperature	-25 to +70 °C [-13 to +158 °F]
Permissible Relative Humidity	<95% (+25 °C) / <90% (+40 °C), non-condensing (increased humidity affects the sensor nominal resolution)
Protection Type	IP67
Housing Material	Pendulum mechanism PA66 (Polyamide 66 or Nylon 66)
Agency Approval *	CE

* To obtain the most current agency approval information, see the Agency Approval Compliance & Certifications Checklist section on the specific part number's web page.