

Polypropylene Float Level Switch

Tilt Type



measuring
•
monitoring
•
analyzing

NSP



- Max. Pressure: 30 PSIG
- Max. Temperature: 185 °F
- Minimum S.G.: 0.6
- Polypropylene Float
- TPK, FEP, or Silicone Cable
- SPDT Mechanical Switch Contact
- Connectable as N/O or N/C



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Description

KOBOLD NSP Series polypropylene tethered float switches offer simple, economical liquid level monitoring. They feature your choice of a tubular or ball float in polypropylene material with a 13' TPK cable. Filling levels may be controlled by installing at least two of the float level switches (one as a minimum, the other as a maximum limit switch). The two floats can be run to a latching relay (sold separately) for automatic liquid level control. This polypropylene tethered float switches can be installed wherever magnetic liquid level switches are unsuitable due to the risk of the float jamming with dirt particles or coating. Optional silicone and FEP-clad cables are available for highly corrosive or solvent-based liquid applications.

Technical Details

Materials

- Float:** Polypropylene
- Cable**
 - Standard:** TPK, 13 ft., 3-Conductor, 18 AWG, Thermoplastic Elastomer Cladding
 - Optional:** Silicone, FEP (For Use with Highly Corrosive or Solvent Media)

Max. Pressure

- NSP-5101:** 15 PSIG (1 bar)
- NSP-5201:** 30 PSIG (2 bar)

Temperature Range

- TPK Cable:** 41...140 °F (5...60 °C)
- Silicone/FEP Cable:** 41...185 °F (5...85 °C)

Minimum Specific Gravity

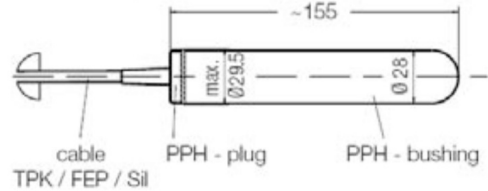
- NSP-5101:** 0.9 S.G. (0.9 kg/dm³)
- NSP-5201:** 0.6 S.G. (0.6 kg/dm³)

Contact: SPDT Mechanical Switch Changeover, Connectable as N/O or N/C, Mercury Free

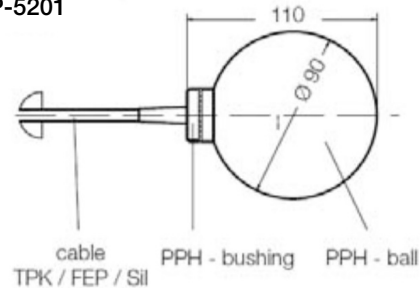
Switch Capacity: Max. 250 VAC / 150 VDC
300 VA, 60 W, 1mA to 1.5 A

Dimensions (mm)

NSP-5101



NSP-5201



- Min. Switching Hysteresis:** ± 25...35 mm
- Switching Angle:** Approx. +12°/+3°
- Protection:** IP 68

Order Details (Example: NSP-5101)

Model	Description
NSP-5101	Tubular Float, Standard 13 ft. TPK Cable
NSP-5201	Ball Float, Standard 13 ft. TPK Cable
Options	
..ECSIL	Optional Silicone Cable, Specify Length when Ordering (Special Order, Non-Stock Item)
..ECFEP	Optional FEP Cable, Specify Length when Ordering (Special Order, Non-Stock Item)
..ECTPK	Extended Length TPK Cable, Specify Length when Ordering (Special Order, Non-Stock Item)
Accessories	
NSP-BESCHWER	Ballast Weight, Attaches to Cable