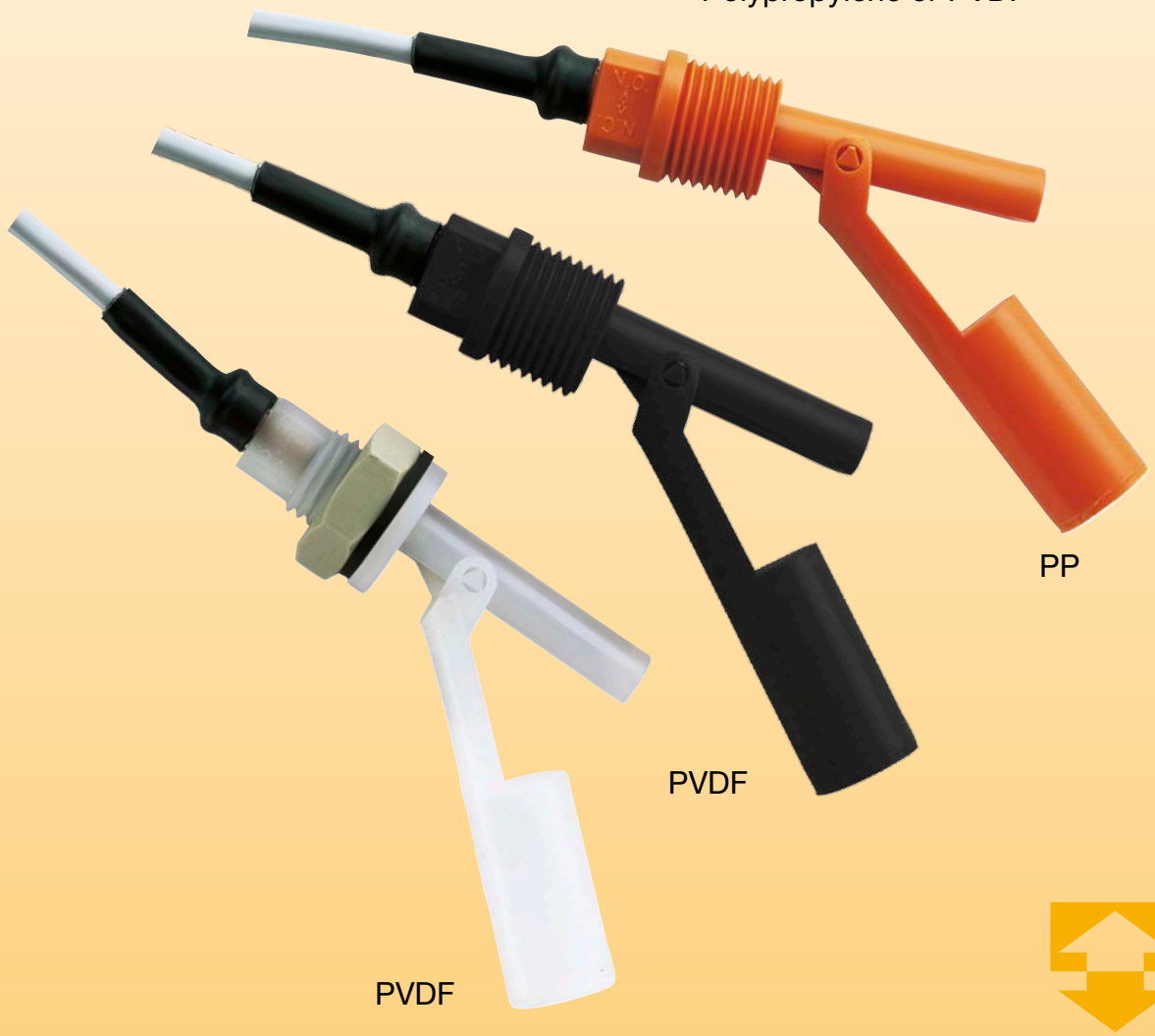
Plastic Level Switches

NKP

- p_{max}: 10 bar; t_{max}: 100 °C
- Connection:
  G ½, ½" NPT, M 16
- Material:
  Polypropylene or PVDF



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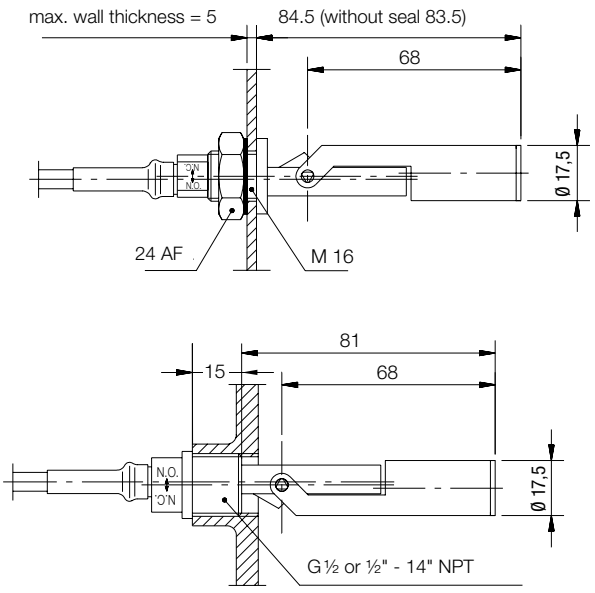
Description

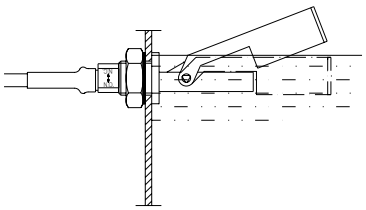
The plastic level switch NKP is designed for economical control of liquids in vessels. Many industrial applications can be realized with two different plastic versions each with three different mountings. The switch is remarkable for its maintenance-free design, small dimensions and reed contacts with high switch capacity. The switch is mounted on the side of the vessel. A hinged plastic float with a magnet floats up and down through the liquid level. The encapsulated reed contact is operated by the magnet. The switching function (N/O contact / N/C contact) is determined by the installation position. The switching function is reversed by simply rotating the switch through 180°.

Dimensions

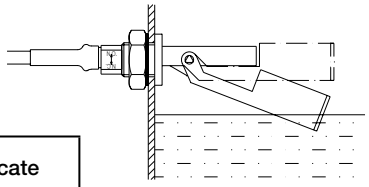


Technical Details

Switch housing:	NKP-14.., -24.., -64..: polypropylene NKP-15.., -25.., -65..: PVDF
Connections:	NKP-1..: G½ NKP-2..: ½" NPT NKP-6..: M16
Float:	NKP-14.., -24.., -64..: polypropylene NKP-15.., -25.., -65..: PVDF
Seal:	NKP-6401: NBR NKP-6501: FPM alternative: EPDM
Counter nut:	NKP-6...: polypropylene
Max. temperature:	NKP-14.., NKP-24.., NKP-64..: 80 °C NKP-15.., NKP-25.., NKP-65..: 100 °C
Max. pressure:	10 bar
Installation position:	horizontal (±30° from the horizontal plane)
Contact components:	N/O contact / N/C contact (depending on the installation)
Electr. connection:	stranded cable AWG20, 2-core, PVC, 1 m (PUR-cable and silicone cable upon request)
Switch capacity:	max. 230 $V_{AC/DC}$ max. 40 VA, max. 2 A option cCSAus: 0.17 A, 230 $V_{AC/DC}$, 2 A, 20 $V_{AC/DC}$, max. 40 W
Contact resistance:	max. 80 mΩ
Min. electric strength:	400 V_{DC} /1 s
Medium density:	NKP-14.., -24.., -64..: >0.6 kg/dm³ NKP-15.., -25.., -65..: >0.95 kg/dm³
Protection:	IP 68



N/C contact



N/O contact

Applications

- Car washes
- Cleaning machines
- Plastic tanks

Order Details (Example: **NKP-14011**)

Model	Connection	Housing material	Cable	Certificate
NKP-	**1** = G½ **2** = ½" NPT **6** = M 16	**401** = Polypropylene (orange) **501** = PVDF (nature or black)	**1** = 1 m PVC cable **1.6** = 1.6 m PVC cable **3** = 3 m PVC cable **6** = 6 m PVC cable **10** = 10 m PVC cable **Y** = special length*	**empty** = without

*Please specify in the clear text (only possible for cable lengths > 10 m)

No responsibility taken for errors;
subject to change without prior notice.

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