



- Intelligent frequency sweep technology is used to detect point and object position
- Reliable detection of various media
- Support various process connections
- Suitable for health industry and industrial applications
- Medium temperature -20~80°C

NPN

Diagram showing the wiring for an NPN sensor. The sensor has 5 pins. Pin 1 is brown and connected to 12~30VDC. Pin 2 is connected to ground. Pin 4 is connected to ground. Pin 5 is connected to ground. Pin 3 is black and connected to the switch (S). The switch (S) is connected to ground.

PNP

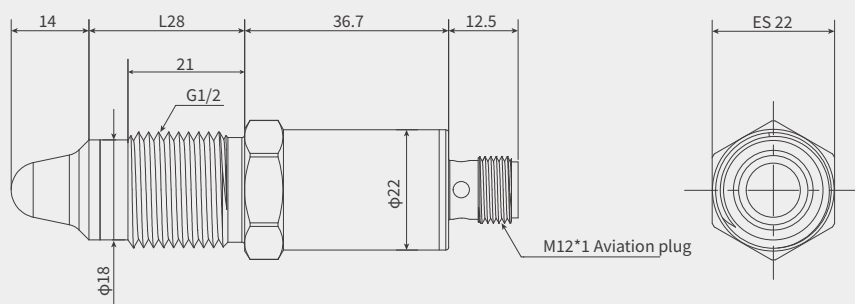
Diagram showing the wiring for a PNP sensor. The sensor has 5 pins. Pin 1 is brown and connected to 12~30VDC. Pin 2 is connected to ground. Pin 4 is connected to ground. Pin 5 is connected to ground. Pin 3 is black and connected to the switch (S). The switch (S) is connected to ground.

- ◇ Measurement principle: liquid level switch (frequency scanning)
- ◇ Medium characteristics: DC > 1.5
- ◇ Lag: $\pm 1\text{mm}$
- ◇ Repeat accuracy: $\pm 1\text{mm}$
- ◇ Response time: 0.1s, TYP. 0.2 s, Max.
- ◇ Damping time: 0... 10s, adjustable
- ◇ Liquid receiving parts material: PEEK Natura
- 316 l (1.4404)
- ◇ Surface roughness of the receiving parts: $R_a \leq 0.8 \mu\text{m}$
- ◇ Output type: PNP/NPN
- ◇ Switch logic: NORMALLY closed (NC)/ normally open (NO)
- ◇ EMC Electromagnetic radiation: EN 61326, installed in a sealed metal canister
- ◇ EMC Electromagnetic immunity: EN 61326, installed in an airtight metal can

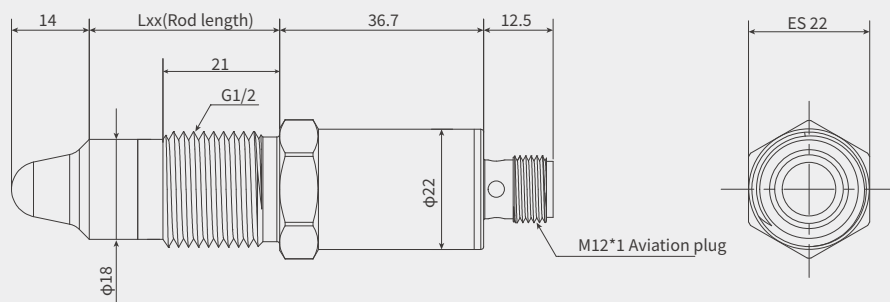
LS280-HJDZ
KTYLLC13867

Size chart (mm)

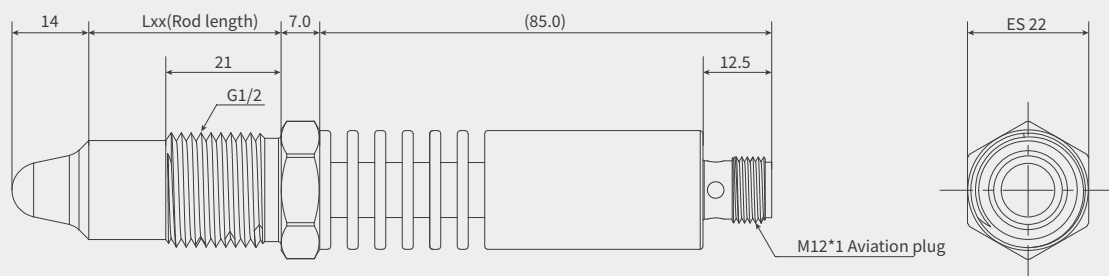
Standard type



Lengthen type



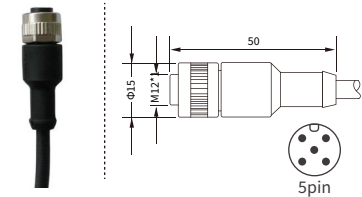
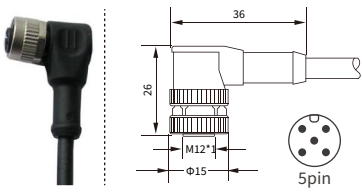
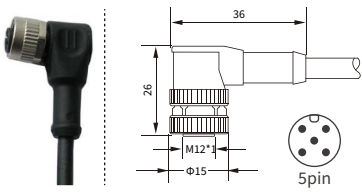
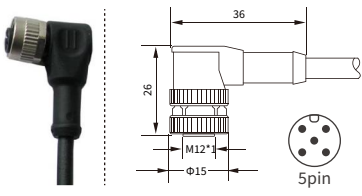
Cooling model

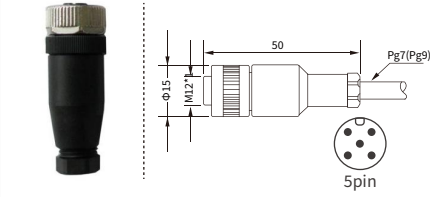
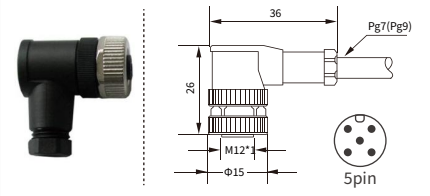


Selection table

LS280-	L030	M	-	-	-	-	expatiate		
LS280-							LS280 capacitive level switch		
	L030						Probe length: 30mm		
	L035						Probe length: 35mm		
	L050						Probe length: 50mm		
	L100						Probe length: 100mm		
	L250						Probe length: 250mm		
	LXX						Probe length: Customizable		
		M					M 12 aviation plug-in		
		Z					Direct outlet	1	1M
								2	2M
			-				PNP output		
			-N				NPN output		
				-			Normally open (NO)		
				C			Normal close (NC)		
					-		Normal form		
					ED		ED seal		
						-	Standard type: Medium temperature -20... 80 °C		
						T	Heat dissipation type: medium temperature -40... 130 °C		

Optional accessories - electrical accessories (Factory standard : ZL05-PC02G)

name	Outline drawing/dimension drawing (mm)	material	model
M12*1-5Pin (2m cable)		PUR	ZL05-PU02G
M12*1-5Pin (5m cable)			ZL05-PU05G
M12*1-5Pin (10m cable)			ZL05-PU010G
M12*1-5Pin (2m cable)		PVC	ZL05-PC02G
M12*1-5Pin (5m cable)			ZL05-PC05G
M12*1-5Pin (10m cable)			ZL05-PC010G
M12*1-5Pin (2m cable)		PUR	ZL05-PU02W
M12*1-5Pin (5m cable)			ZL05-PU05W
M12*1-5Pin (10m cable)			ZL05-PU010W
M12*1-5Pin (2m cable)		PVC	ZL05-PC02W
M12*1-5Pin (5m cable)			ZL05-PC05W
M12*1-5Pin (10m cable)			ZL05-PC010W

M12* 1-5Pin self-connector/size drawing (mm)	model
	GL05 (5Pin joint)
	WL05 (5Pin joint)