



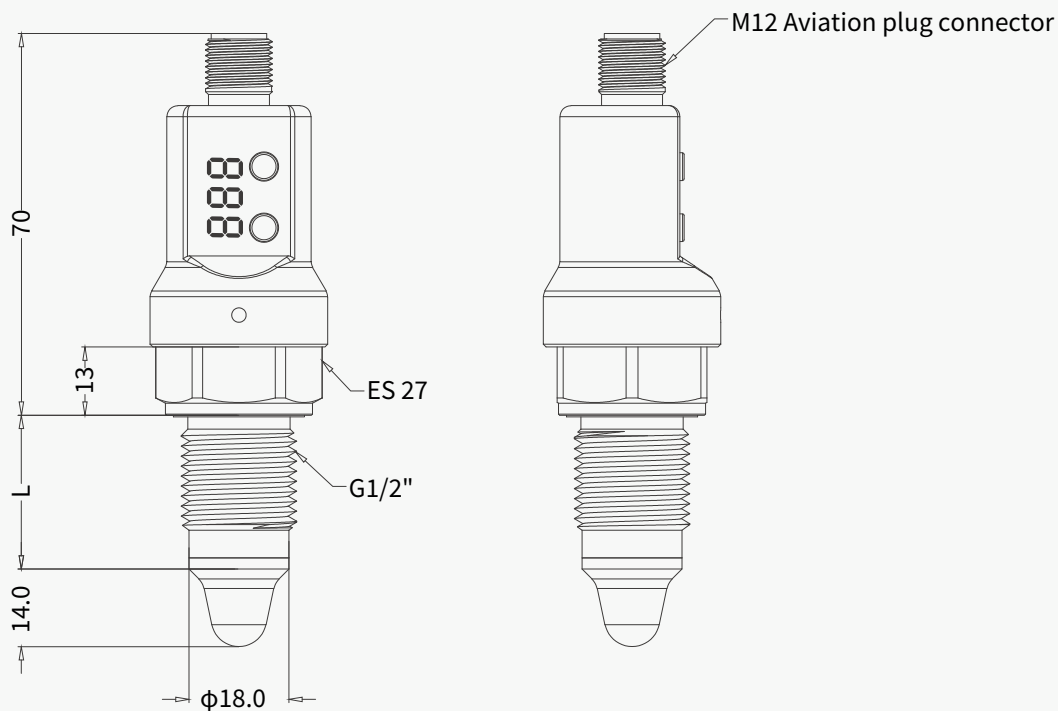
Principle structure

The LS282 capacitive level switch (sensor) has its signal processed by the post-processing circuit and converted into a standard industrial electrical signal for output and display. The one-piece injection molded shell design enables this series of products to be used in various industrial Settings. Key setting, simple operation, high-brightness LED can digitally display real-time measurement values. Multiple connection methods can fully meet various specific installation requirements.

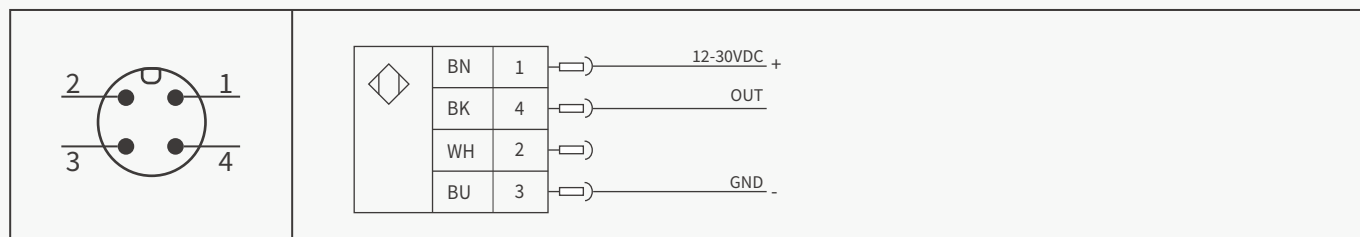
Technical parameters

- ◇ Supply voltage: 12... 30Vdc
- ◇ No-load current consumption: Maximum 30mA, powered by 24Vdc
- ◇ Output type: PNP/NPN can be set, and normally open/normally closed can be set
- Switching load: <200mA
- Response time: <100ms
- ◇ Switch point hysteresis: The factory default hysteresis is 0.5% of the switch set value (adjustable).
- ◇ Wiring protection: Reverse phase, overload, short circuit protection
- ◇ Temperature
 - Medium temperature: -20... 85°C
 - Ambient temperature: -20... 80°C
 - Storage temperature: -30... 80°C
- ◇ Materials:
 - Probe material: PEEK
 - Process connection: Stainless steel 316L
 - Sealing material: Nitrile rubber/fluorine rubber
- Shell: Engineering plastic
- ◇ Protection grade: IP67
- ◇ Cable exit method: M12x1 connector

Dimension drawing (mm)



Wiring diagram



1-channel Switch

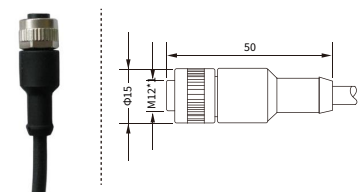
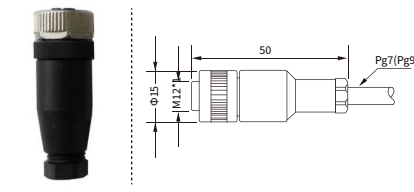
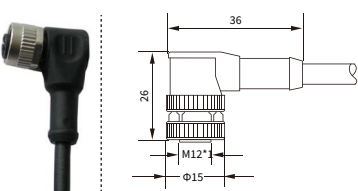
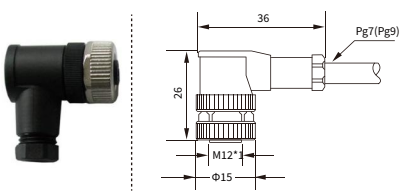
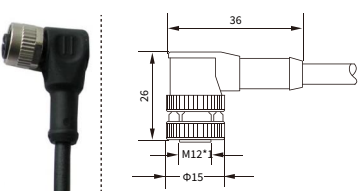
color	stitch	Instructions	color	stitch	Instructions
BN	1	power supply (+)	BU	3	power supply (-)
BK	4 (OUT)	SP1 Switch PNP (Factory default) SP1 Switch NPN	WH	2	/

Selection Table

LS282 -	L030	-	Detailed description
LS282 -			LS282 Capacitive level switch
	L030		Probe length: 30 mm
	L035		Probe length: 35 mm
	L050		Probe length: 50 mm
	L100		Probe length: 100 mm
	L250		Probe length: 250 mm
	LXX		Probe length: Customizable
		-	Output signal: 1-channel switch

name	Outline drawing/Dimension drawing (unit:mm)	order number
Sanitary chuck installation accessories	Standard outside diameter 50.5 sanitary chuck	LS280-K50.5 KTYLLC13868
Welding the base		LS280-HJDZ KTYLLC13867

Factory standard: ZL03-PC02G

name	Outline drawing/dimension drawing (mm)	material	model	M12* 1-4pin self-connector/size drawing (mm)	model
M12*1-4Pin (2m cable)		PUR	ZL03-PU02G		GL04 (4Pin joint)
M12*1-4Pin (5m cable)			ZL03-PU05G		
M12*1-4Pin (10m cable)			ZL03-PU010G		
M12*1-4Pin (2m cable)		PVC	ZL03-PC02G		WL04 (4Pin joint)
M12*1-4Pin (5m cable)			ZL03-PC05G		
M12*1-4Pin (10m cable)			ZL03-PC010G		
M12*1-4Pin (2m cable)		PUR	ZL03-PU02W		
M12*1-4Pin (5m cable)			ZL03-PU05W		
M12*1-4Pin (10m cable)			ZL03-PU010W		
M12*1-4Pin (2m cable)		PVC	ZL03-PC02W		
M12*1-4Pin (5m cable)			ZL03-PC05W		
M12*1-4Pin (10m cable)			ZL03-PC010W		