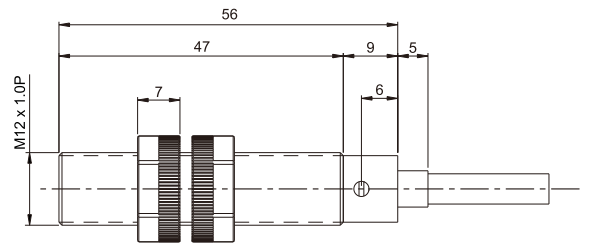
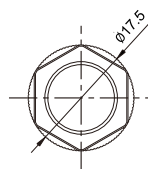


### M12 Series

- Can detect metal, non-metal, glass, liquid, plastic, silicone chip, powder...etc.
- Variety of specification, switching output and wide range application.
- Equipped with sensitivity adjuster which can set distance effectively.
- Good environmental resistance up to IP67 and all products are CE approved.



IEC IP67

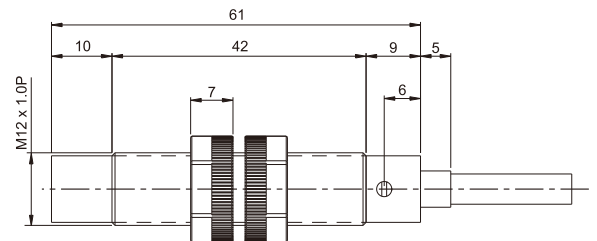
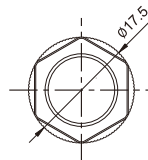


Pre-wired 2M Cable / PBT

Switching Output	Model Number	Operating Voltage	Response Frequency	Sensing Distance
DC 3-Wire NPN NO	TLK-F12N02E1	12~24VDC±10%	50Hz	2mm
DC 3-Wire PNP NO	TLK-F12P02E1			



IEC IP67



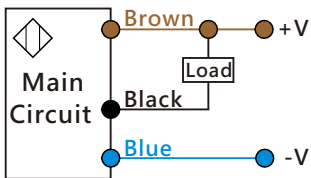
Pre-wired 2M Cable / PBT

Switching Output	Model Number	Operating Voltage	Response Frequency	Sensing Distance
DC 3-Wire NPN NO	TLK-N12N05E1	12~24VDC±10%	30Hz	5mm
DC 3-Wire PNP NO	TLK-N12P05E1			

Item	Specifications
Standard sensing object	Iron, 18×18×1 mm (TLK-F12 Mode) Iron, 25×25×1 mm (TLK-N12 Mode)
Installation	Shielded (TLK-F12 Mode) Unshielded (TLK-N12 Mode)
Load current	≤200mA
Operation indicator	Red LED
Circuits protection	Short circuit protection
Ambient temperature & humidity range	Operating : -20 ~ 70℃ / RH 35 ~85% (with no icing or condensation)

## Wiring Diagram

DC-3wire  
NPN NO Type



DC-3wire  
PNP NO Type

