

Anti-welding Slag-TW Series

NEW!



- Fiber Optic
- Slot Sensors
- Photoelectric
- Laser
- Proximity**
- Displacement
- Magnetic
- Contact
- Area
- Ultrasonic
- AI Image
- Code Readers
- Vibration
- Temperature
- RFID
- Safety door lock
- Pressure Switch
- Communication
- Accessories
- Guidance
- Inductive sensors
 - Standard distance
 - Extended distance
 - Long distance
 - Square
 - Mini square
 - Mini-cylindrical
 - Short-body
 - Ring-type
 - Metal face
 - Temperature resistance type
 - IP69K high protection
 - Anti-Slag
 - Analog output
 - DC 2 wires
- Capacitive sensors
 - Cylindrical
 - Correction resistant type
 - Flat type
 - Level detection

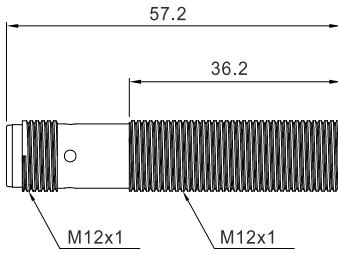
Basic Features	Working principle	Inductive sensor		
	Housing	Cylindrical		
	Installation type	Flush		
	Sensing distance	4mm	8mm	15mm
	Thread size	M12	M18	M30
	Sensing surface material	Teflon coating		
	Detected objects	Metal		
	Indicator	Action Indicator: Yellow LED		
	Sensing range adjustment	None		
Electrical data	Switching output	Normally Open or Normally Closed		
	Output mode	NPN or PNP Open Collector		
	External input	None		
	Switching frequency	1kHz		
	Repeatability	≤2% rated distance		
	Hysteresis	3~10% rated distance		
	Operating Voltage	10~30V DC		
	Current consumption	25mA		
	Residual Voltage	-		
	Load current	≤50mA		
	Leakage current	-		
	Insulation resistance	≥50MΩ with 500V DC between the whole charging section and enclosure		
	Dielectric strength	AC500V, 50/60Hz for 60s, between the whole charging section and enclosure		
	Vibration resistance	55 Hz, 1.5 mm amplitude, 240 minutes for each X, Y, and Z directions. Sweep cycle time: 5 minutes		
	Circuit Protection	Reverse polarity protection/output overload protection/output short circuit protection		
Environmental conditions	Operating Temperature	-30~+70%		
	Operating Humidity	35%~95%RH		
	Enclosure rating	IP67		
Mechanical data	Connection type	M12 4 pin connector		
	Dimension	M12X57.2mm	M18X57.2mm	M30X57.2mm
	Material	Copper + Teflon coating		
	Weight	0.05kg		
	Accessories	None		
Model	NPN NO	TWF12-04	TWF18-08	TWF30-16
	Others	:NPN Normally open	:NPN Normally closed	:PNP Normally open :PNP Normally closed

Unit:mm

Dimensions

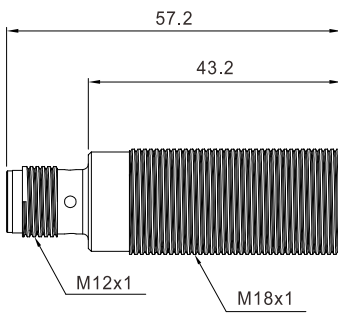
M12

TWF12-04□□



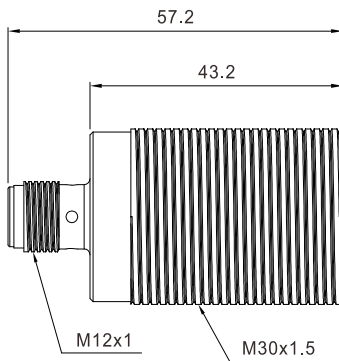
M18

TWF18-08□□



M30

TWF30-16□□



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