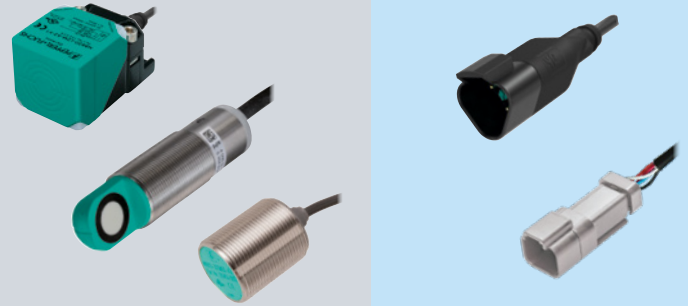


Uniquely designed with Mobile Control in mind.

0.5 – 4.5 V Sensor Outputs
for Intelligent Mobile Machinery




An innovative 3-wire proximity switch that combines harsh duty sensing with integral short circuit and broken wire detection diagnostics









Your automation, our passion.



 **PEPPERL+FUCHS**

Inductive - Target Absent/Present: 0.5 / 4.5 V (± 0.2 V)



 Model	Diameter	Sensing Range (shielded)	 Cable Connection	 Connector
NBB4-12GM40-EU-M1	12 mm \emptyset	4 mm	2-meter, 18 awg (0.75 mm ²)	
NBB4-12GM40-EU-M1-300MM-3DT04	12 mm \emptyset	4 mm		Deutsch DT-series Overmolded Pigtail

 Model	Diameter	Sensing Range (shielded)	 Cable Connection	 Connector
NBB8-18GM40-EU-M1	18 mm \emptyset	8 mm	2-meter, 18 awg (0.75 mm ²)	
NBB8-18GM40-EU-M1-300MM-3DT04	18 mm \emptyset	8 mm		Deutsch DT-series Overmolded Pigtail

 Model	Diameter	Sensing Range (shielded)	 Cable Connection	 Connector
NBB15-30GM40-EU-M1	30 mm \emptyset	15 mm	2-meter, 18 awg (0.75 mm ²)	
NBB15-30GM40-EU-M1-300MM-3DT04	30 mm \emptyset	15 mm		Deutsch DT-series Overmolded Pigtail

 Model	Dimension	Sensing Range (shielded)	 Connector
NBB20-L2M-EU-175MM-4DT04	40 x 40 mm	20 mm	Deutsch DT-series Overmolded Pigtail

Ultrasonic: 0.5 – 4.5 V Analog Output

 Model	Diameter	Sensing Range (adjustable)	 Connector
UB800-18GM40A-U-610MM-Y	18 mm \emptyset	50 - 800 mm	610 mm length, 20 awg (0.50 mm ²) PUR-jacket pigtail Includes Deutsch DT-series kit (shell, pins and wedge)

Why 0.5 – 4.5 V?

- It improves on 0-5 V, inherently identifying illegal 0 V short circuit, and 5 V open circuit conditions
- It's a Mobile Equipment Industry standard - potentiometers, pressure, flow, and temperature sensors all employ 0.5 – 4.5 V control signals

Designed with Mobile Control in mind

- Compatible with all standard mobile-type connectors
- Increased electromagnetic compatibility limits
- Extended operating temperatures
- Harsh duty environmental ratings

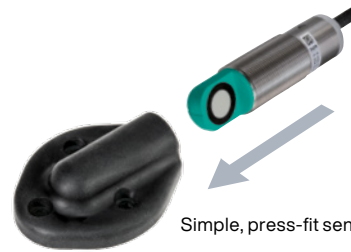
Mobile Connectors



Connector examples

Cable versions above are compatible with most TE Connectivity connectors (Deutsch, AMP/TYCO, Packard/Delphi). Pepper+Fuchs can create customized sensor-pigtails versions to meet your specific needs, at quantities as low as 50 pcs/yr!

Ultrasonic Accessory



Simple, press-fit sensor installation



Tank monitor

Model

MH-18GMA

Information

- Low profile flange for mounting 18GM40A ultrasonic sensors
- Integral o-ring seals tank contents
- Protects sensor from impact damage
- Reduces dead band

Material

Fully cross-linked TPV, UV stabilized

Mobile Equipment



Your automation, our passion.

Explosion Protection

- Intrinsic Safety Barriers
- Signal Conditioners
- FieldConnex® Fieldbus Infrastructure
- Remote I/O Systems
- Electrical Explosion Protection Equipment
- Purge and Pressurization Systems
- HMI Systems
- Mobile Computing and Communications
- HART Interface Solutions
- Surge Protection
- Wireless Solutions
- Level Measurement

Industrial Sensors

- Proximity Sensors
- Photoelectric Sensors
- Industrial Vision
- Ultrasonic Sensors
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- Industrial Ethernet
- AS-Interface
- IO-Link
- Identification Systems
- Displays and Signal Processing
- Connectivity

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