

## DC - 2 WIRE NAMUR Brass, Nickel Plated (BN), and Plastic (TROGAMID-T) Cylindrical, Threaded

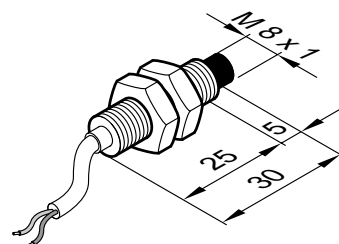
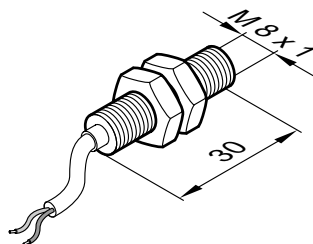
- **Low energy device**
- **Operates in hazardous areas with external amplifier**
- **Meets NAMUR regulations and DIN 19234 specifications**
- **Carries C mark**

- IEC(529) IP67 (NEMA 1, 3, 4, 6, 12, 13) Protection
- Reverse Polarity Protection
- Plastic and Metal Housing according to NAMUR Regulations and DIN 19234
- Temperature Range: -25 to 70°C (-13 to 158°F)  
(For extended temperature models of -40°C to +125°C, consult Altech.)

M8 Flush Mount			M8 Non-Flush Mount	
Sensing Distance	1mm (.04 in.)		2mm (.08 in.)	
Cable or Connector Style Cat. No.	Cable	65	Cable	65
Nickel Plated Brass (BN)	9932-0100	9932-0165	9932-0200	9932-0265
Plastic (TROGAMID T)			9932-1600	
Ripple Voltage	≤5%	≤5%	≤15%	≤5%
Voltage Range (supplied by Pulsotronic 8100-2200 Unit)	8.2V DC at 1KΩ	8.2V DC at 1KΩ	8.2V DC at 1KΩ	8.2V DC at 1KΩ
Output Current ( with target detection)	0.5 mA	0.5 mA	0.5 mA	0.5 mA
Output Current ( no target detection)	3.5 mA	3.5 mA	3.5 mA	3.5 mA
Switching Frequency	2000 0Hz	2000 Hz	1000 Hz	1000 Hz
Hysteresis	≤15%	≤15%	≤15%	≤15%
Temperature Drift	≤10%	≤10%	≤10%	≤10%
Repeatability	.1mm (.004 in.)	.1mm (.004 in.)	.2mm (.008 in.)	.2mm (.008 in.)
Front Cap Material	PBTP (Metal Housing)	PBTP (Metal Housing)	PBTP (Metal Housing)	PBTP (Metal Housing)

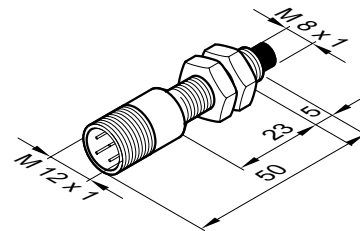
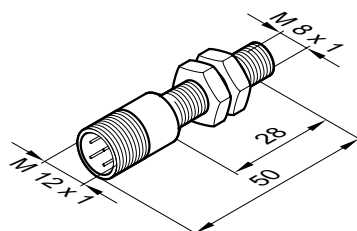
### Fixed Cable

PVC 2m (6ft. 6in.). For 5m (16 ft. 5 in.) cable length, change the last two digits of the part number to 02. For other cable lengths and/or PUR cable, please consult Altech. Non-metallic locknuts for M8 and Brass, Nickel Plated (BN) locknuts for M12 through M30.



### 65 Style Connector

4-pin, Micro style, 12mm (.47 in.) supplied with non-metallic locknuts for M8 and Brass, Nickel Plated (BN) locknuts for M12 through M30.



## Metric/in. Conversion Table

1.0 mm = .04 in.	24.0 mm = .94 in.
5.0 mm = .20 in.	25.0 mm = 1.0 in.
6.0 mm = .23 in.	28.0 mm = 1.16 in.
8.0 mm = .31 in.	30.0 mm = 1.20 in.
12.0 mm = .47 in.	40.0 mm = 1.57 in.
23.0 mm = .91 in.	50.0 mm = 1.97 in.

This table converts millimeters to inches in reference to the illustrations included on these pages

## Accessories

**2 meter (6 ft. 6 in.) DC Cable Assemblies for Quick Disconnect Sensors**

65 Connectors, 4 PIN – 4 Wire cable (PIN 1, 2, 3, 4) :  
65 Connector 8000-5280 PVC Right Angle

*Change last digit of connector number to 5 for 5 meter cable*

*Refer to pages 116-121 for more cable information*

**Remote Amplifier –**  
**Use 8100-2200, see page 123**

**Mounting Brackets – see Pages 114-115**

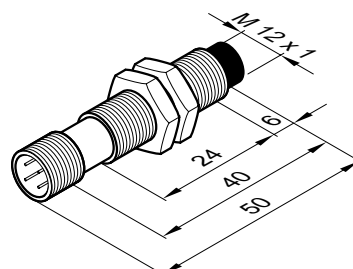
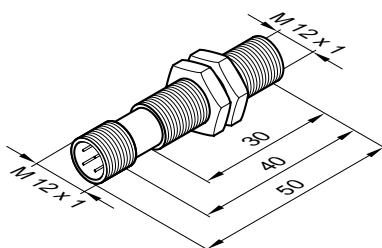
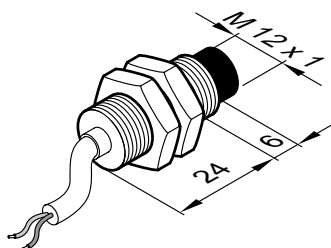
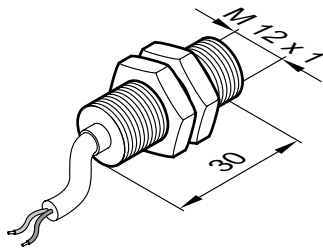
### M12 Flush Mount 2mm (.08 in.)

Cable	65
9932-0300	9932-0365
9932-1100	
≤15%	≤5%
8.2V DC at 1KΩ	8.2V DC at 1KΩ
0.5 mA	0.5 mA
3.5 mA	3.5 mA
2000 Hz	2000 Hz
≤15%	≤15%
≤10%	≤10%
.2mm (.008 in.)	.2mm (.008 in.)
PBTP (Metal Housing)	PBTP (Metal Housing)

### M12 Non-Flush Mount 4mm (.16 in.)

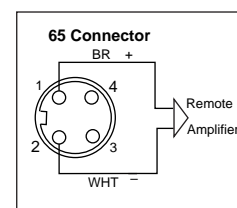
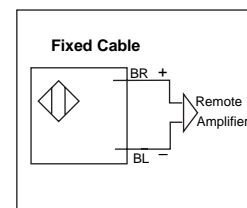
Cable	65
9932-0400	9932-0465
9932-1000	
≤5%	≤5%
8.2V DC at 1KΩ	8.2V DC at 1KΩ
0.5 mA	0.5 mA
3.5 mA	3.5 mA
1000 Hz	1000 Hz
≤15%	≤15%
≤10%	≤10%
.4mm (.016 in.)	.4mm (.016 in.)
PBTP (Metal Housing)	PBTP (Metal Housing)

*Note: Sensor dimensions in mm.*



## Wiring Diagrams

Note: Wire colors are applicable to cable purchased from Altech



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Altech:](#)

[9932-1100](#) [9932-0300](#)