DC - 3 WIRE - EXTENDED SENSING DISTANCE Brass, Nickel Plated (BN), Cylindrical, Threaded, 10-30V DC, 200mA 1 LED for Ouput Energized

- Up to 2 times sensing distance over standard sensors
- Reduces accidental collisions
- Ideal for applications where larger sensing distance is required but mounting space is tight
- Carries (E mark

• IEC (529) IP67 (NEMA 1, 3, 4, 6, 12, 1	13)
Protection	

- Short Circuit Protection
- · Overload Protection
- · Reverse Polarity Protection
- · Wire Break Resistance
- Temperature Range: -25 to 70°C (-13 to 158°F)

Metric/in. Conversion Table

|--|

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

to the illustrations included on these pages

Accessories

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

65 Connector	8000-5110	PVC, Straight
65 Connector	8000-5120	PVC, Right Angle
65 Connector	8000-5150	PVC, Right Angle, 2LED, NPN
65 Connector	8000-5160	PVC, Right Angle, 2LED, PNP

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

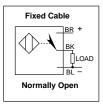
Refer to pages 116-121 for more cable information

Mounting Brackets – see Pages 114-115

Wiring Diagrams

Note: Wire colors are applicable to cable purchased from Altech

PNP



M30 Flush Mount 15mm (.59 in.) **Sensing Distance** Cable or Connector Style Cat. No. Cable 65 Normally Open 9966-3900 9966-3965 **PNP** Normally Closed \(\Gamma\) Normally Open **NPN** Normally Closed Ripple Voltage <10% <10% Voltage Range 10V-30V 10V - 30V Supply Current ≤12 mA ≤12 mA Max. Load Current 200 mA 200 mA Voltage Drop Across Sensor ≤2.4V <2.4V Max. Leakage Currrent ≤10 µA ≤10 µA Switching Frequency 200 Hz 200 Hz Hysterisis ≤15% ≤15% Temperature Drift ≤10% ≤10%

1.5mm (.06 in.)

PBTP

Note: Sensor dimensions in mm.

1.5mm (.06 in.)

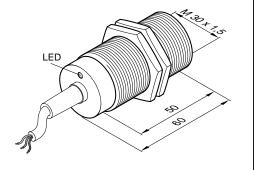
PBTP

Fixed Cable

Repeatability

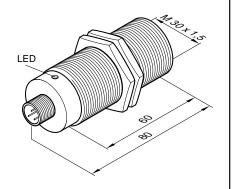
Front Cap Material

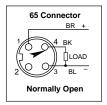
PVC 2m (6ft. 6in.). For 5m (16 ft. 5 in.) cable length, change the last two digits of the part number to 02. For other cable lengths and/or PUR cable, please consult Altech. Supplied with Brass, Nickel Plated (BN) locknuts.



65 Style Connector

4-pin, Micro style, 12mm (.47 in.) supplied with Brass, Nickel Plated (BN) locknuts.







DC - 3 WIRE
HIGH SPEED
Brass, Nickel Plated (BN),
Cylindrial, Threaded,
10-30V DC, 200mA
1 LED for Output Energized

Sensing Distance

PNP

Ripple Voltage

Voltage Range

Supply Current

Max. Load Current

Voltage Drop Across Sensor

Max. Leakage Currrent

Switching Frequency

Temperature Drift

Front Cap Material

Repeatability

Hysterisis

Cable or Connector Style Cat.No.

Normally Open

Switching frequency of 4000 Hz

M12 Flush Mount 2mm (.08 in.)

65

9962-2365

<10%

10V - 30V

≤10 mA

200 mA

<2 4V

≤10 µA

4000 Hz to DIN 500 10

≤15%

<10%

.20mm (.008 in.)

PBTP

Note: Sensor dimensions in mm.

- Standard body length
- Carries (E mark

Cable

9962-2300

≤10%

10V-30V

≤10 mA

200 mA

<2 4V

≤10 µA

4000 Hz to DIN 500 10

≤15%

<10%

.20mm (.008 in.)

PBTP

- IEC (529) IP67 (NEMA 1, 3, 4, 6, 12, 13) Protection
- Short Circuit Protection
- Overload Protection
- Reverse Polarity Protection
- Wire Break Resistance
- Temperature Range: -25 to 70°C (-13 to 158°F)

Metric/in. Conversion Table

1.0 mm	=	.04 in.
12 mm	=	.47 in.
40.0 mm	=	1.57 in.
45.0 mm	=	1.77 in.
50.0 mm	=	1.96 in.
65.0 mm	=	2.55 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 Connector	8000-5110	PVC, Straight
65 Connector	8000-5120	PVC, Right Angle
65 Connector	8000-5150	PVC, Right Angle, 2LED, NPN
65 Connector	8000-5160	PVC, Right Angle, 2LED, PNP

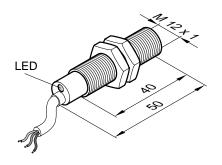
Change last digit of connector number to 5 for 5 meter cable

Refer to pages 116-121 for more cable information

Mounting Brackets – see Pages 114-115

Fixed Cable

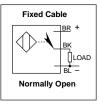
PVC 2m (6ft. 6in.). For 5m (16 ft. 5 in.) cable length, change the last two digits of the part number to 02. For other cable lengths and/or PUR cable, please consult Altech. Supplied with Brass, Nickel Plated (BN) locknuts.



Wiring Diagrams

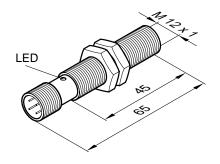
Note: Wire colors are applicable to cable purchased from Altech

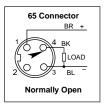
PNP



65 Style Connector

4-pin, Micro style, 12mm (.47 in.) supplied with Brass, Nickel Plated (BN) locknuts.





Mouser Electronics

Authorized Distributor

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

Altech:

9962-2300 9966-3900 9962-2365