





DC - 3 WIRE – GL SERIES
Brass, Nickel Plated (BN),
Cylindrical, Threaded,
10-60V DC, 400mA,
2 LED's for Operating Voltage
and Output Energized

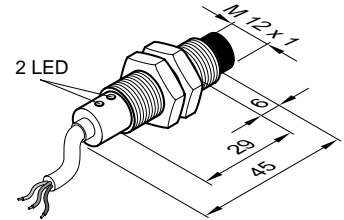
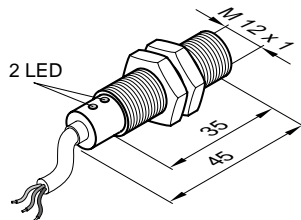
- **Higher Current Output**
- **Higher Voltage Range**
- **Carries $\text{C}\epsilon$ mark**

- 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)

M12 Flush Mount 2mm (.08 in.)				M12 Non-Flush Mount 4mm (.16 in.)			
Sensing Distance							
Cable or Connector Style Cat. No.		Cable	64	65	Cable	64	65
PNP	Normally Open 	9982-4000	9982-4064	9982-4065	9982-4200	9984-4264	9982-4265
	Normally Closed 	9982-4400	9982-4464	9982-4465	9982-4600	9982-4664	9982-4665
NPN	Normally Open 	9982-4100	9982-4164	9982-4165	9982-4300	9982-4364	9982-4365
	Normally Closed 	9982-4500	9982-4564	9982-4565	9982-4700	9982-4764	9982-4765
Ripple Voltage		≤10%	≤10%	≤10%	≤10%	≤10%	≤10%
Voltage Range		10V - 60V	10V - 60V	10V - 60V	10V - 60V	10V - 60V	10V - 60V
Supply Current		≤10 mA	≤10 mA	≤10 mA	≤10 mA	≤10 mA	≤10 mA
Max. Load Current		400 mA	400 mA	400 mA	400 mA	400 mA	400 mA
Voltage Drop Across Sensor		≤2.4V	≤2.4V	≤2.4V	≤2.4V	≤2.4V	≤2.4V
Max. Leakage Current		≤10 μA	≤10 μA	≤10 μA	≤10 μA	≤10 μA	≤10 μA
Switching Frequency		2000Hz	2000Hz	2000Hz	1000Hz	1000Hz	1000Hz
Hysteresis		≤15%	≤15%	≤15%	≤15%	≤15%	≤15%
Temperature Drift		≤10%	≤10%	≤10%	≤10%	≤10%	≤10%
Repeatability		.20mm (.008 in.)	.20mm (.008 in.)	.20mm (.008 in.)	.40mm (.016 in.)	.40mm (.016 in.)	.40mm (.016 in.)
Front Cap Material		PBTP	PBTP	PBTP	PBTP	PBTP	PBTP

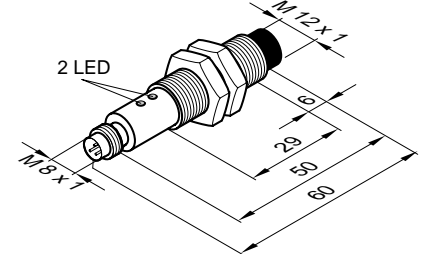
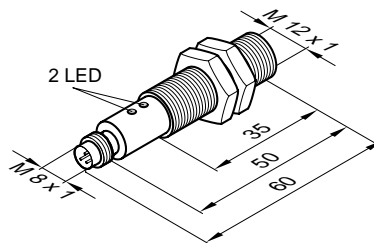
Fixed Cable

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.



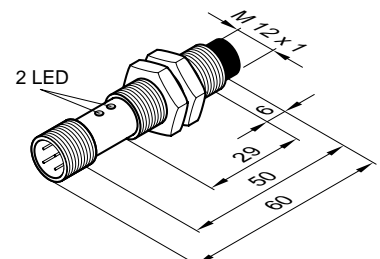
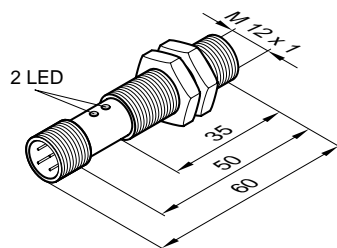
64 Style Connector

3-pin, Pico style, 8mm (.31 in.) supplied with Brass, Nickel Plated (BN) locknuts.



65 Style Connectors

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



Metric/in. Conversion Table

1.0 mm = .04 in.	29.0 mm = 1.14 in.	This table converts millimeters to inches in reference to the illustrations included on these pages
6.0 mm = .23 in.	35.0 mm = 1.37 in.	
8.0 mm = .31 in.	45.0 mm = 1.77 in.	
12.0 mm = .47 in.	50.0 mm = 1.97 in.	
18.0 mm = .70 in.	60.0 mm = 2.36 in.	
.27.0 mm = 1.06 in.	80.0 mm = 3.15 in.	

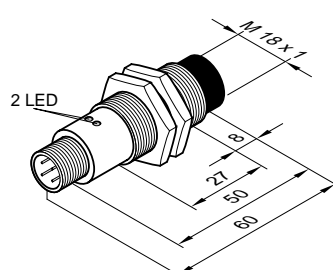
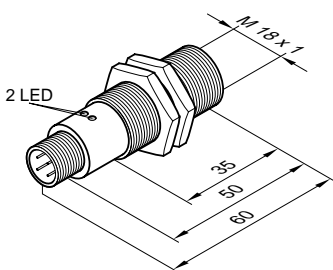
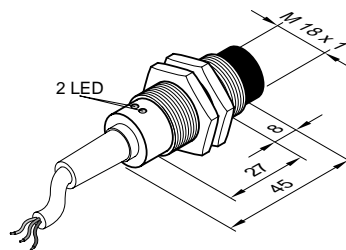
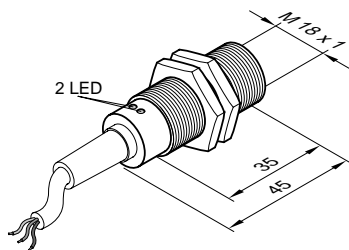
M18 Flush Mount 5mm (.20 in.)

Cable	65
9984-4000	9984-4065
9984-4400	9984-4465
9984-4100	9984-4165
9984-4500	9984-4565
≤10%	≤10%
10V - 60V	10V - 60V
≤10 mA	≤10 mA
400 mA	400 mA
≤2.4V	≤2.4V
≤10 μA	≤10 μA
1000Hz	1000Hz
≤15%	≤15%
≤10%	≤10%
.25mm (.01 in.)	.25mm (.01 in.)
PBTP	PBTP

M18 Non-Flush Mount 8mm (.31 in.)

Cable	65
9984-4200	9984-4265
9984-4600	9984-4665
9984-4300	9984-4365
9984-4700	9984-4765
≤10%	≤10%
10V - 60V	10V - 60V
≤10 mA	≤10 mA
400 mA	400 mA
≤2.4V	≤2.4V
≤10 μA	≤10 μA
500Hz	500Hz
≤15%	≤15%
≤10%	≤10%
.40mm (.016 in.)	.40mm (.016 in.)
PBTP	PBTP

Note: Sensor dimensions in mm.



Accessories

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

- 64 Connector 8000-5220 PVC, Straight
- 64 Connector 8000-5230 PVC, Right Angle, 2LED, NPN
- 64 Connector 8000-5240 PVC, Right Angle, 2LED, NPN

65 Connectors, 4 PIN - 3 Wire cable (PIN 1, 3, 4) :

- 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, NPN

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

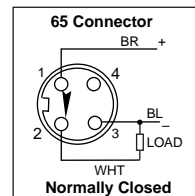
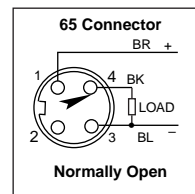
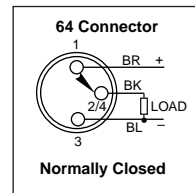
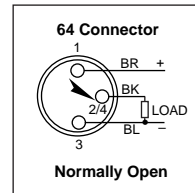
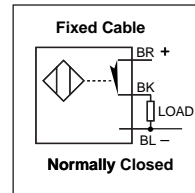
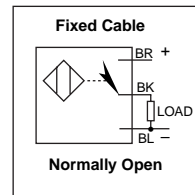
Refer to pages 116-121 for more cable information

Mounting Brackets - see Pages 114-115

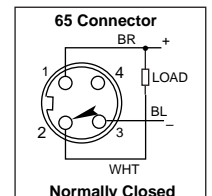
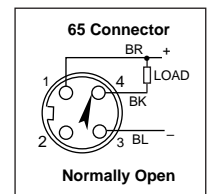
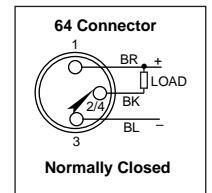
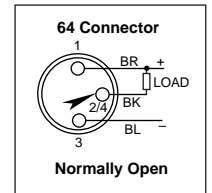
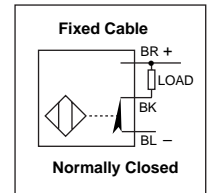
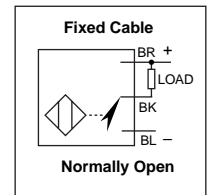
Wiring Diagrams

Note: Wire colors are applicable on cables purchased from Altech

NPN



NPN



Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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