

**DC - 3 WIRE – GL SERIES  
VERSA PROX LIMIT STYLE**  
Polyamide (PA 6.6) Housing  
10-60V DC, 400mA  
3 LEDs for Operating Voltage,  
Output Energized, and  
Set-up aid

- 17 rotatable sensing head positions
- Programmable NO/NC outputs
- Rugged Housing
- Snap-together construction
- Separable mounting base
- 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)

| Sensing Distance                  | Flush Mount     | Non-Flush Mount  |
|-----------------------------------|-----------------|------------------|
|                                   | 20mm (.79 in.)  | 40mm (1.57 in.)  |
| Cable or Connector Style Cat. No. | Screw Terminal  | Screw Terminal   |
| <b>PNP</b> (Programmable NO/NC)   | 9883-3033       | 9883-3233        |
| <b>NPN</b> (Programmable NO/NC)   | 9883-3333       | 9883-3533        |
| Ripple Voltage                    | ≤10%            | ≤10%             |
| Voltage Range                     | 10V-60V         | 10V - 60V        |
| Supply Current                    | ≤15 mA          | ≤15 mA           |
| Max. Load Current                 | 400 mA          | 400 mA           |
| Voltage Drop Across Sensor        | ≤2.4V           | ≤2.4V            |
| Max. Leakage Current              | ≤10 μA          | ≤10 μA           |
| Switching Frequency               | 150 Hz          | 70 Hz            |
| Hysteresis                        | ≤20%            | ≤20%             |
| Temperature Drift                 | ≤10%            | ≤10%             |
| Repeatability                     | 1.0mm (.04 in.) | 2.0mm (.079 in.) |

#### Metric/in. Conversion Table

|                  |                   |
|------------------|-------------------|
| 3.0 mm = .11 in. | 41 mm = 1.61 in.  |
| 5.0 mm = .20 in. | 60 mm = 2.36 in.  |
| 7.0 mm = .27 in. | 121 mm = 4.76 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

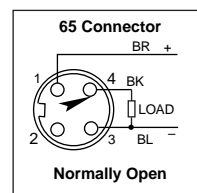
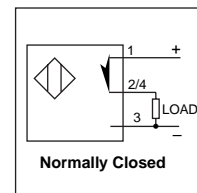
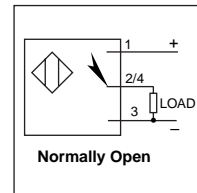
Refer to pages 116-121 for more cable information

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

#### Wiring Diagrams

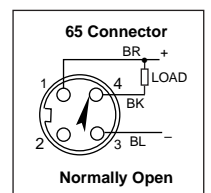
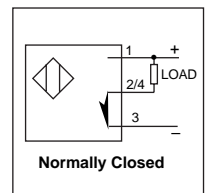
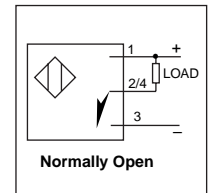
Note: Wire colors are applicable on cables purchased from Altech

##### PNP



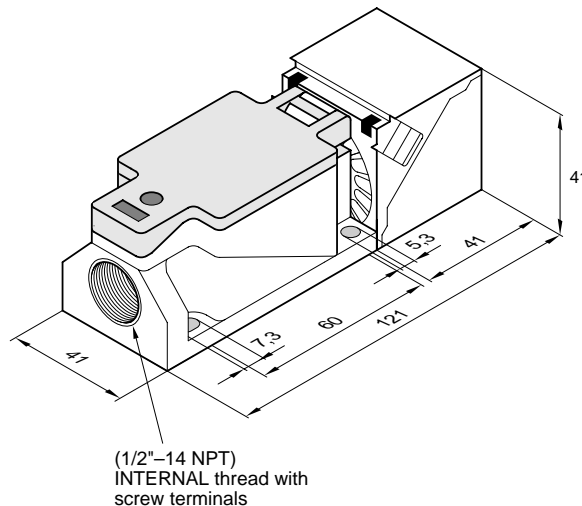
Use same PIN numbers for Normally Closed output

##### NPN



Use same PIN numbers for Normally Closed output

Note: Sensor dimensions in mm.



#### Screw Terminals

Screw terminals are located internally in housing for wire connections

#### Alternative Connector Style

**65 Style Connector –**  
4-pin Micro style, 12mm (.47 in.).

| Flush     |           | Non-Flush |           |
|-----------|-----------|-----------|-----------|
| PNP       | NPN       | PNP       | NPN       |
| 9883-3065 | 9883-3365 | 9883-3265 | 9883-3565 |

