

Metric/in. Conversion Table

1.0 mm = .04 in.	52.0 mm = 2.04 in.
4.0 mm = .16 in.	54.0 mm = 2.12 in.
6.0 mm = .23 in.	56.0 mm = 2.20 in.
8.0 mm = .31 in.	58.0 mm = 2.28 in.
12.0 mm = .47 in.	60.0 mm = 2.36 in.
40.0 mm = 1.39 in.	62.0 mm = 2.44 in.
44.0 mm = 1.73 in.	66.0 mm = 2.60 in.
45.0 mm = 1.77 in.	70.0 mm = 2.75 in.
50.0 mm = 1.97 in.	

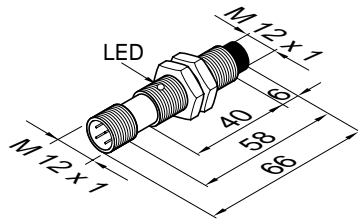
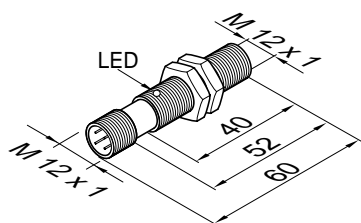
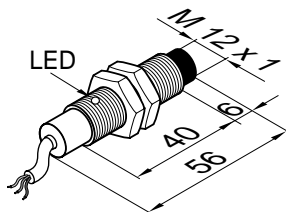
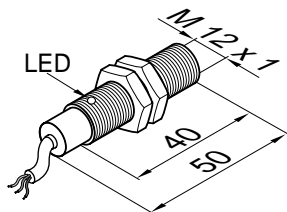
This table converts millimeters to inches in reference to the illustrations included on these pages

M12 Flush Mount 6mm (0.2 in.)

M12 Non-Flush Mount 10mm (0.4 in.)

Cable	65	Cable	65
9982-5000	9982-5065	9982-5200	9982-5265
≤20%	≤20%	≤20%	≤20%
10-30V	10-30V	10-30V	10-30V
≤20mA	≤20mA	≤20mA	≤20mA
200mA	200mA	200mA	200mA
≤2.4V	≤2.4V	≤2.4V	≤2.4V
≤100μA	≤100μA	≤100μA	≤100μA
800Hz	800Hz	400Hz	400Hz
10%	10%	10%	10%
≤10%	≤10%	≤10%	≤10%
Nickel Plated Brass	Nickel Plated Brass	Nickel Plated Brass	Nickel Plated Brass
.3mm (.01 in.)	.3mm (.01 in.)	.5mm (.02 in.)	.5mm (.02 in.)

Note: Sensor dimensions in mm.



Accessories

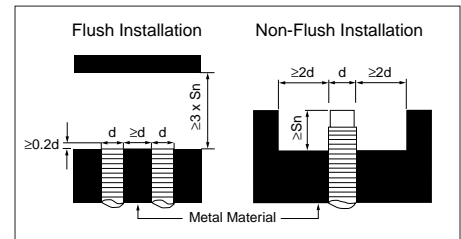
2 meter (6 ft. 6 in.) DC Cable Assemblies for Quick Disconnect Sensors

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



General Mounting – You must maintain minimum distance between adjacent and opposite sensors in addition to non-target metals as specified in the drawings above. Flush mount sensors must extend at least 0.2 times the sensor diameter above the adjacent metal housing. Non-flush mount sensors must extend a distance greater than the sensing distance (Sn). Please contact Altech for any installation assistance

Wiring Diagrams

Note: Wire colors are applicable to cable purchased from Altech

PNP

