

Special Application Note: This family of sensors is most useful in proximity sensing applications. Use Shielded sensors for non-conductive targets and Unshielded for conductive targets.

### Sensing Specifications

Flush Mountable	Shielded sensors only
Nominal Sensing Distance (Sn)	20mm
Repeat Error (% of Sn)	<2%
Hysteresis (% of SN)	2-20% (5% is typical)



### Mechanical Specifications

Dimensions	30x45mm (see drawings)
DC Cable Versions	2 meter length, 3 wire, #22 AWG, .19"OD, PVC, UL2464
DC connector Versions	M8 3-Pin PICO
Enclosure Rating	IP67, NEMA 1,3,4,6,13
Operating Temperature Range	-25° to 70°C (-13 to 158°F)
Signal Indicator	Yellow LED
Power-on Indicator	Green LED
Sensitivity Adjustment	Potentiometer
Sensor Body Material	Plastic (Glass filled Nylon)
Shock	30g, 11ms



### Electrical Specifications

Supply Voltage Range	5-48 VDC
Continuous Switching Current	300 mA
Voltage Drop	<2V DC
Current Consumption	<10 mA
Maximum Switching Frequency	100 Hz
Leakage Current	n/a
Transient Protection	Yes
Short Circuit Protection	Yes
Reverse Polarity Protection	Yes

### Part Numbers

Supply Voltage	Shielded	Sensing Range	PNP (sourcing)	NPN (Sinking)	AC	Normally Open	Normally Closed	Wiring Diagram	Termination	Part Number
5-48VDC	Y	5-25mm	Y			Y		1	Cable	C1D45AP1-PX
5-48VDC	Y	5-25mm	Y			Y		11	PICO	C1D45AP2-PX
5-48VDC	Y	5-25mm	Y				Y	2	Cable	C1D45BP1-PX
5-48VDC	Y	5-25mm	Y				Y	11	PICO	C1D45BP2-PX
5-48VDC	Y	5-25mm		Y		Y		3	Cable	C1D45AN1-PX
5-48VDC	Y	5-25mm		Y		Y		10	PICO	C1D45AN2-PX
5-48VDC	Y	5-25mm		Y			Y	4	Cable	C1D45BN1-PX
5-48VDC	Y	5-25mm		Y			Y	10	PICO	C1D45BN2-PX
5-48VDC		5-30mm	Y			Y		1	Cable	C2D45AP1-PX
5-48VDC		5-30mm	Y			Y		11	PICO	C2D45AP2-PX
5-48VDC		5-30mm	Y				Y	2	Cable	C2D45BP1-PX
5-48VDC		5-30mm	Y				Y	11	PICO	C2D45BP2-PX
5-48VDC		5-30mm		Y		Y		3	Cable	C2D45AN1-PX
5-48VDC		5-30mm		Y		Y		10	PICO	C2D45AN2-PX
5-48VDC		5-30mm		Y			Y	4	Cable	C2D45BN1-PX
5-48VDC		5-30mm		Y			Y	10	PICO	C2D45BN2-PX

