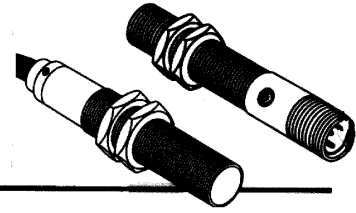


12mm | Inductive Tubular | DC Threaded Barrel



2mm (Shielded) and 4mm (Unshielded) Sensing Ranges

Connector Type	Circuit Description	Housing Material	Housing Length	Shielded Model No.	Unshielded Model No.	Maximum Load Current	Leakage Current	Voltage Drop*	Maximum Switching Frequency		Short Circuit Protected
									Shielded	Unshielded	
DC 10-30V Metal											
4-pin Euro	3W, NPN, NO	Metal	54mm	ETS10-22151	ETS10-23151	400mA	<10µA	<2.5 VDC	700Hz	400Hz	yes
4-pin Euro	4W, NPN, NO/NC	Metal	54mm	ETS10-22051	ETS10-23051	400mA	<10µA	<2.5 VDC	700Hz	400Hz	yes
4-pin Euro	3W, PNP, NO	Metal	54mm	ETS11-22151	ETS11-23151	400mA	<10µA	<2.5 VDC	700Hz	400Hz	yes
4-pin Euro	4W, PNP, NO/NC	Metal	54mm	ETS11-22051	ETS11-23051	400mA	<10µA	<2.5 VDC	700Hz	400Hz	yes
6.6" Cable											
6.6" Cable	3W, NPN, NO	Metal	35mm	ETS10-22110	ETS10-23110	200mA	<10µA	<2.5 VDC	1200Hz	800Hz	yes
6.6" Cable	3W, NPN, NO	Metal	78mm	ET110-22110	ET110-23110	400mA	<10µA	<2.5 VDC	700Hz	400Hz	yes
6.6" Cable	4W, NPN, NO/NC	Metal	50mm	ETS10-22010	ETS10-23010	400mA	<10µA	<2.5 VDC	700Hz	400Hz	yes
6.6" Cable	3W, PNP, NO	Metal	35mm	ETS11-22110	ETS11-23110	200mA	<10µA	<2.5 VDC	1200Hz	800Hz	yes
6.6" Cable	3W, PNP, NO	Metal	78mm	ET111-22110	ET111-23110	400mA	<10µA	<2.5 VDC	700Hz	400Hz	yes
6.6" Cable	4W, PNP, NO/NC	Metal	50mm	ETS11-22010	ETS11-23010	400mA	<10µA	<2.5 VDC	700Hz	400Hz	yes
DC 10-30V Plastic											
6.6" Cable	3W, NPN, NO	Plastic	35mm	ETS10-42110	ETS10-43110	200mA	<10µA	<2.5 VDC	1200Hz	800Hz	yes
6.6" Cable	3W, NPN, NO	Plastic	75mm	ET210-22110	ET210-23110	400mA	<10µA	<2.5 VDC	700Hz	400Hz	yes
6.6" Cable	4W, NPN, NO/NC	Plastic	50mm	ETS10-42010	ETS10-43010	400mA	<10µA	<2.5 VDC	700Hz	400Hz	yes
6.6" Cable	3W, PNP, NO	Plastic	35mm	ETS11-42110	ETS11-43110	200mA	<10µA	<2.5 VDC	1200Hz	800Hz	yes
6.6" Cable	3W, PNP, NO	Plastic	75mm	ET211-22110	ET211-23110	400mA	<10µA	<2.5 VDC	700Hz	400Hz	yes
6.6" Cable	4W, PNP, NO/NC	Plastic	50mm	ETS11-42010	ETS11-43010	400mA	<10µA	<2.5 VDC	700Hz	400Hz	yes
NAMUR 5-25 VDC											
6.6" Cable	Analog	Metal	30mm	ET112-20310	ET112-21310	N/A	—	—	800Hz	400Hz	N/A
6.6" Cable	Analog	Plastic	30mm	ET212-20310	ET212-21310	N/A	—	—	800Hz	400Hz	N/A

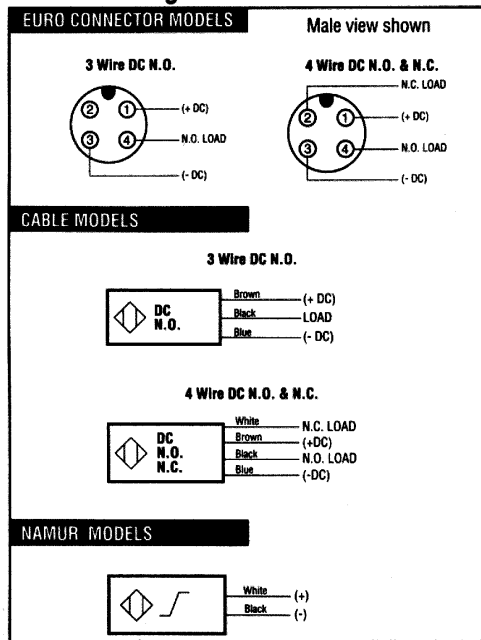
* Across conducting sensor

A Namco "Best Bet", appropriate for most standard applications; offers best value and availability.

Common Sensor Characteristics

12mm DIAMETER DC SENSORS	
Shielded Sensing Range (±10%)	2mm
Unshielded Sensing Range (±10%)	4mm
Standard Target	12x12x1mm (mild steel)
Repeatability	±2%
Hysteresis	3-8% (typ.); 15% (max.)
Temperature Drift (max.)	±15%
Ambient Temperature Range	-13°F to +158°F
Reverse Polarity Protected	yes
Current Consumption	3W DC = <6mA 4W DC = <10mA
NEMA Enclosure Type	Metal: 1, 3, 4, 6, 13 Plastic: 1, 3, 4, 4x, 6, 13
LED Indicator	red = target
Metal Housings	Chrome Plated Brass
Plastic Housings	Ultradur®
Cable Type	PVC
Shipping Weight	Connector model: 4 oz. Cable model: 9 oz.

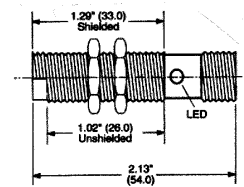
Circuit Drawings



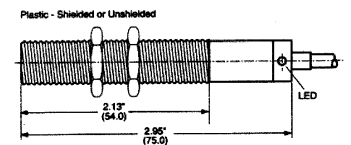
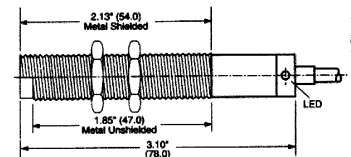
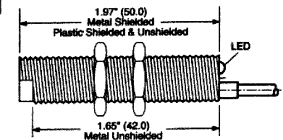
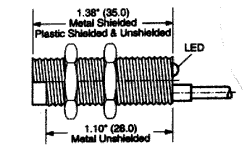
Dimensional Drawings

EURO CONNECTOR MODELS

Body threads = M12x1



CABLE MODELS



CABLE MODELS-NAMUR

