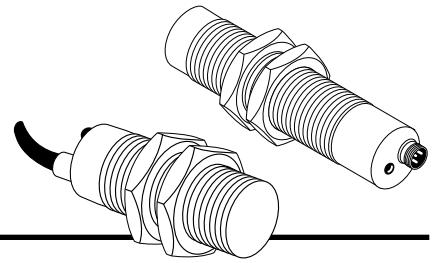


30mm

Inductive Tubular Threaded Barrel

DC



Proximity Sensors

10mm (Shielded) and 15mm (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	73mm	ET310-62151	ET310-63151	400mA	<10µA	<2.5 VDC	200Hz	100Hz	yes
4-pin Euro	3W, PNP, NO	Metal	73mm	ET311-62151	ET311-63151	400mA	<10µA	<2.5 VDC	200Hz	100Hz	yes
4-pin Mini	3W, NPN, NO	Metal	78mm	ET110-42100	ET110-43100	400mA	<10µA	<2.5 VDC	200Hz	100Hz	yes
4-pin Mini	3W, PNP, NO	Metal	78mm	ET111-42100	ET111-43100	400mA	<10µA	<2.5 VDC	200Hz	100Hz	yes
6.6' Cable	3W, NPN, NO	Metal	50mm	ET310-62110	ET310-63110	400mA	<10µA	<2.5 VDC	200Hz	100Hz	yes
6.6' Cable	3W, NPN, NO	Metal	80mm	ET110-42110	ET110-43110	400mA	<10µA	<2.5 VDC	200Hz	100Hz	yes
6.6' Cable	3W, PNP, NO	Metal	50mm	ET311-62110	ET311-63110	400mA	<10µA	<2.5 VDC	200Hz	100Hz	yes
6.6' Cable	3W, PNP, NO	Metal	80mm	ET111-42110	ET111-43110	400mA	<10µA	<2.5 VDC	200Hz	100Hz	yes
DC 10-30V Plastic											
6.6' Cable	3W, NPN, NO	Plastic	50mm	ET310-72110	ET310-73110	400mA	<10µA	<2.5 VDC	200Hz	100Hz	yes
6.6' Cable	3W, NPN, NO	Plastic	80mm	ET210-42110	ET210-43110	400mA	<10µA	<2.5 VDC	200Hz	100Hz	yes
6.6' Cable	3W, PNP, NO	Plastic	50mm	ET311-72110	ET311-73110	400mA	<10µA	<2.5 VDC	200Hz	100Hz	yes
6.6' Cable	3W, PNP, NO	Plastic	80mm	—	ET211-43110	400mA	<10µA	<2.5 VDC	200Hz	100Hz	yes
NAMUR 5-25 VDC											
6.6' Cable	Analog	Metal	40mm (Sh) 42mm (UnSh)	ET112-40310	ET112-41310	N/A	—	—	300Hz	100Hz	N/A
6.6' Cable	Analog	Plastic	40mm	ET212-40310	ET212-41310	N/A	—	—	300Hz	100Hz	N/A

* Across conducting sensor

► Consult factory for normally closed model availability.



Common Sensor Characteristics

30mm DIAMETER DC SENSORS	
Shielded Sensing Range ($\pm 10\%$)	10mm
Unshielded Sensing Range ($\pm 10\%$)	15mm
Standard Target (mm) (mild steel)	30x30x1 (Shielded) 45x45x1 (Unshielded)
Repeatability	$\pm 2\%$
Hysteresis	3-8% (typ.); 15% (max.)
Range Drift over Temperature	$\pm 15\%$
Operating Temperature Range	-13°F to +158°F
Reverse Polarity Protected	yes
Current Consumption	<1.5mA
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: 5 oz. Cable model: 10 oz.

Circuit Drawings

EURO CONNECTOR MODELS

Male views shown

3 Wire DC N.O.

4 Wire DC N.O. & N.C.

MINI CONNECTOR MODELS

Male view shown

3 Wire DC N.O.

CABLE MODELS

3 Wire DC N.O.

NAMUR MODELS

Dimensional Drawings

EURO CONNECTOR MODELS

Body threads = M30x1.5

MINI CONNECTOR MODELS

CABLE MODELS

CABLE MODELS-NAMUR

NAMCO

2013 West Meeting Street • Lancaster, SC 29720
1-803-286-8491 • FAX: 1-800-678-6263
www.namcocontrols.com

For technical assistance, call 1-800-NAMTECH