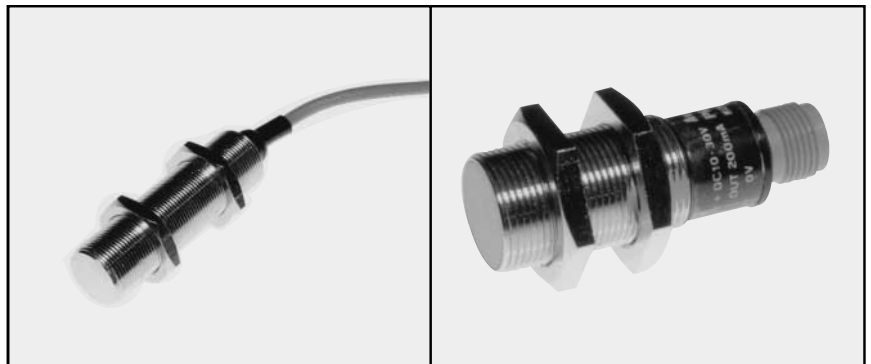


Series PR/PRT



Spartan Tubular Inductive Proximity Sensors
18mm, 30mm



SIZE		18mm						30mm					
TYPE		3 Wire DC		2 Wire DC		2 Wire AC		3 Wire DC		2 Wire DC		2 Wire AC	
Shielding	S - Shielded	S	N	S	N	S	N	S	N	S	N	S	N
	N - Non-Shielded												
Maximum Sensing Distance (Sn)mm		5	8	5	8	5	8	10	15	10	15	10	15
Supply Voltage (Residual Ripple <10%,DC Models)		10-30VDC		20-30VDC		90-250VAC		10-30VDC		20-30VDC		90-250VAC	
Switching Frequency Hz		350	200	350	200	20		250	100	250	100	20	
Maximum Output Current mA		200		50		200		200		50		200	
Minimum Output Current mA						5						5	
No Load Current at 12VDC mA		<10						<10					
Leakage Current mA				Max 0.9		Max 2				Max 0.9		Max 2	
Voltage Drop (ON State)		<1.5VDC		<7VDC		<10VAC		<1.5VDC		<7VDC		<10VAC	
Outputs		NPN-N.O. NPN-N.C. PNP-N.O.		N.O. N.C.		N.O. N.C.		NPN-N.O. NPN-N.C. PNP-N.O.		N.O. N.C.		N.O. N.C.	
Termination		2m Cable or H (Micro) Connector						2m Cable or H (Micro) Connector					

SPECIFICATIONS

SWITCHING POINT HYSTERESIS

±10% of Detecting Distance Max.

SHORT CIRCUIT PROTECTION

Yes All DC

REVERSE POLARITY PROTECTED

Yes, 3 Wire DC

LED INDICATOR

Yes

HOUSING MATERIAL

Nickel Brass

OPERATING TEMPERATURE

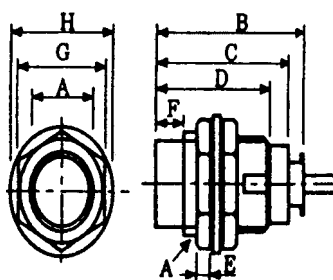
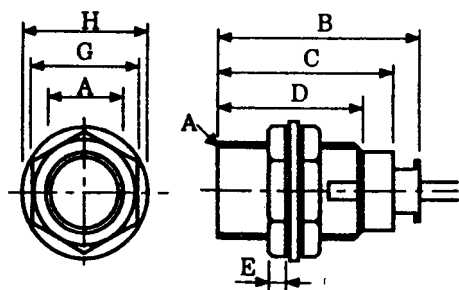
-25°C to +70°C

STANDARD TERMINATION

2m Cable or Micro (H) Connector

DEGREE OF PROTECTION

IP67



Shielded

	A	B	C	D	E	F	G	H
PR12-2D	M12X1	43	—	32	4	—	17	21
PRT12-2D	M12X1	43	—	32	4	—	17	21
PR12-2A	M12X1	60	—	49	4	—	17	21
PR18-5D	M18X1	47	40	29	4	—	24	29
PRT18-5D	M18X1	47	40	29	4	—	24	29
PR18-5A	M18X1	53.3	46.8	35.3	4	—	24	29
PR30-10	M30X1.5	58	50	38	5	—	36	44
PRT30-10	M30X1.5	58	50	38	5	—	36	44

Non-Shielded

	A	B	C	D	E	F	G	H
PR12-4D	M12X1	43	—	32	4	7	17	21
PRT12-4D	M12X1	43	—	32	4	7	17	21
PR12-4A	M12X1	60	—	49	—	7	17	21
PR18-8D	M18X1	47	40	29	4	10	24	29
PRT18-8D	M18X1	47	40	29	4	10	24	29
PR18-8A	M18X1	53.3	46.8	35.3	4	10	24	29
PR30-15	M30X1.5	58	50	38	5	10	36	44
PRT30-15	M30X1.5	58	50	38	5	10	36	44