

XS Tubular, Inductive Proximity Sensors

4, 5, 6.5 mm Diameter, DC, Economy Short Length

Telemecanique
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 FOR CURRENT INFORMATION

17 SOLID STATE SENSORS

4 mm Diameter, Smooth Barrel

Nominal Sensing Distance	Circuit Type	Output Mode	Operating Frequency Hz	Voltage limit (including ripple) DC	Voltage drop (across switch), closed state	Maximum load current mA	Current consumption (no load) mA	On/Off delay (max.)	Power Up delay	Dimensions a, b, c	SCP	Catalog Number	Price
Nickel plated brass case, Shielded, 2m (6.6') cable													
1 mm	PNP	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	29, —, —	Yes	XS1L04PA310	\$69.
1 mm	NPN	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	29, —, —	Yes	XS1L04NA310	69.
Nickel plated brass case, Shielded, connector—nano style													
1 mm	PNP	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	41, —, —	Yes	XS1L04PA310S	83.
1 mm	NPN	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	41, —, —	Yes	XS1L04NA310S	83.
Stainless steel case, Shielded, 2m (6.6') cable													
0.8 mm	PNP	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	29, —, —	Yes	XS1L04PA311	\$78.
0.8 mm	NPN	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	29, —, —	Yes	XS1L04NA311	78.
Stainless steel case, Shielded, connector—nano style													
0.8 mm	PNP	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	41, —, —	Yes	XS1L04PA311S	95.
0.8 mm	NPN	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	41, —, —	Yes	XS1L04NA311S	95.

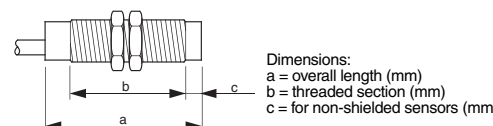
5 mm Diameter

Nominal Sensing Distance	Circuit Type	Output Mode	Operating Frequency Hz	Voltage limit (including ripple) DC	Voltage drop (across switch), closed state	Maximum load current mA	Current consumption (no load) mA	On/Off delay	Power Up delay	Dimensions a, b, c	SCP	Catalog Number	Price
Nickel plated brass case, Shielded, 2m (6.6') cable													
1 mm	PNP	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	29, 24, —	Yes	XS1N05PA310	\$ 77.
1 mm	NPN	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	29, 24, —	Yes	XS1N05NA310	74.
Stainless steel case, Shielded, 2m (6.6') cable													
0.8 mm	PNP	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	29, 24, —	Yes	XS1N05PA311	89.
0.8 mm	NPN	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	29, 24, —	Yes	XS1N05NA311	89.
Stainless steel case, Shielded, connector—nano style													
0.8 mm	PNP	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	41, 24, —	Yes	XS1N05PA311S	104.
0.8 mm	NPN	NO▲	5000	5 to 30 V	2 V	100	10	0.1 ms	5 ms	41, 24, —	Yes	XS1N05NA311S	104.

6.5 mm Diameter, Smooth Barrel

Nominal Sensing Distance	Circuit Type	Output Mode	Operating Frequency Hz	Voltage limit (including ripple) DC	Voltage drop (across switch), closed state	Maximum load current mA	Current consumption (no load) mA	On/Off delay	Power Up delay	Dimensions a, b, c	SCP	Catalog Number	Price
Stainless steel case, Shielded, 2m (6.6') cable													
1.5 mm	PNP	N.O.▲	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	33, —, —	Yes	XS1L06PA340	\$52.
1.5 mm	NPN	N.O.▲	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	33, —, —	Yes	XS1L06NA340	52.
1.5 mm	PNP	N.O.+N.C.	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	50, —, —	Yes	XS1L06PC410	67.
1.5 mm	NPN	N.O.+N.C.	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	50, —, —	Yes	XS1L06NC410	67.
Stainless steel case, Shielded, connector—nano style													
1.5 mm	PNP	N.O.▲	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	42, —, —	Yes	XS1L06PA340S	65.
1.5 mm	NPN	N.O.▲	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	42, —, —	Yes	XS1L06NA340S	65.
Stainless steel case, Shielded, connector—micro style													
1.5 mm	PNP	N.O.▲	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	45, —, —	Yes	XS1L06PA340D	52.
1.5 mm	NPN	N.O.▲	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	45, —, —	Yes	XS1L06NA340D	52.
Nickel plated brass case, Shielded, EXTENDED RANGE 2m (6.6') cable													
2.5 mm	PNP	N.O.▲	2500	10 to 38 V	2.6 V	200	10	1 ms/4ms	5 ms	33, —, —	Yes	XS1L06PA349	59.
2.5 mm	NPN	N.O.▲	2500	10 to 38 V	2.6 V	200	10	1 ms/4ms	5 ms	33, —, —	Yes	XS1L06NA349	59.
Nickel plated brass case, Shielded, EXTENDED RANGE connector—nano style													
2.5 mm	PNP	N.O.▲	2500	10 to 38 V	2.6 V	200	10	1 ms/4ms	5 ms	42, —, —	Yes	XS1L06PA349S	74.
2.5 mm	NPN	N.O.▲	2500	10 to 38 V	2.6 V	200	10	1 ms/4ms	5 ms	42, —, —	Yes	XS1L06NA349S	74.
Nickel plated brass case, Shielded, EXTENDED RANGE connector—micro style													
2.5 mm	PNP	N.O.▲	2500	10 to 38 V	2.6 V	200	10	1 ms/4ms	5 ms	45, —, —	Yes	XS1L06PA349D	59.
2.5 mm	NPN	N.O.▲	2500	10 to 38 V	2.6 V	200	10	1 ms/4ms	5 ms	45, —, —	Yes	XS1L06NA349D	59.
Stainless steel case, Non-shielded, 2m (6.6') cable													
2.5 mm	PNP	N.O.▲	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	33, —, 3	Yes	XS2L06PA340	55.
2.5 mm	NPN	N.O.▲	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	33, —, 3	Yes	XS2L06NA340	55.
Stainless steel case, Non-shielded, connector—nano style													
2.5 mm	PNP	N.O.▲	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	42, —, 4	Yes	XS2L06PA340S	69.
2.5 mm	NPN	N.O.▲	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	42, —, 4	Yes	XS2L06NA340S	69.
Stainless steel case, Non-shielded, connector—micro style DC													
2.5 mm	PNP	N.O.▲	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	45, —, 3	Yes	XS2L06PA340D	55.
2.5 mm	NPN	N.O.▲	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	45, —, 3	Yes	XS2L06NA340D	55.
2.5 mm	PNP	N.O.+N.C.	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	45, —, 3	Yes	XS2L06PC410D	70.
2.5 mm	NPN	N.O.+N.C.	5000	10 to 38 V	2 V	200	10	0.1 ms	5 ms	45, —, 3	Yes	XS2L06NC410D	70.

▲ To order a normally closed (N.C.) version, change A to B, example; XS1L06PA340 to XS1L06PB340.



To convert mm to inches, divide by 25.4.

Wiring Diagrams page 17-75
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 Connectors page 18-6

For additional information, reference Catalog #9006CT2000 or D-FAX™ #1582.

