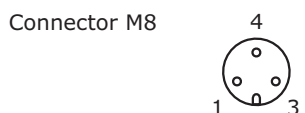
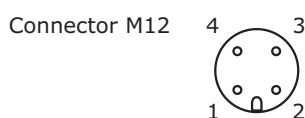
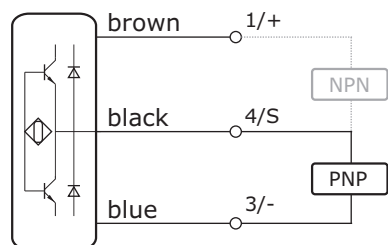


Inductive Proximity Switches

Output Schematics

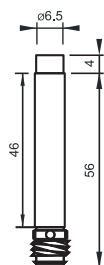


Not to be
used for
Safety
Applications

Ø6.5



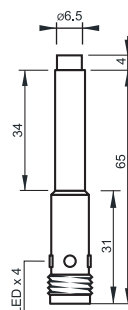
2 mm



Ø6.5



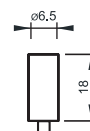
2 mm



Ø6.5



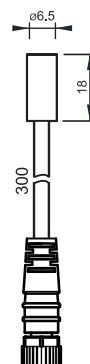
2 mm



Ø6.5



2 mm



SPECIFICATIONS

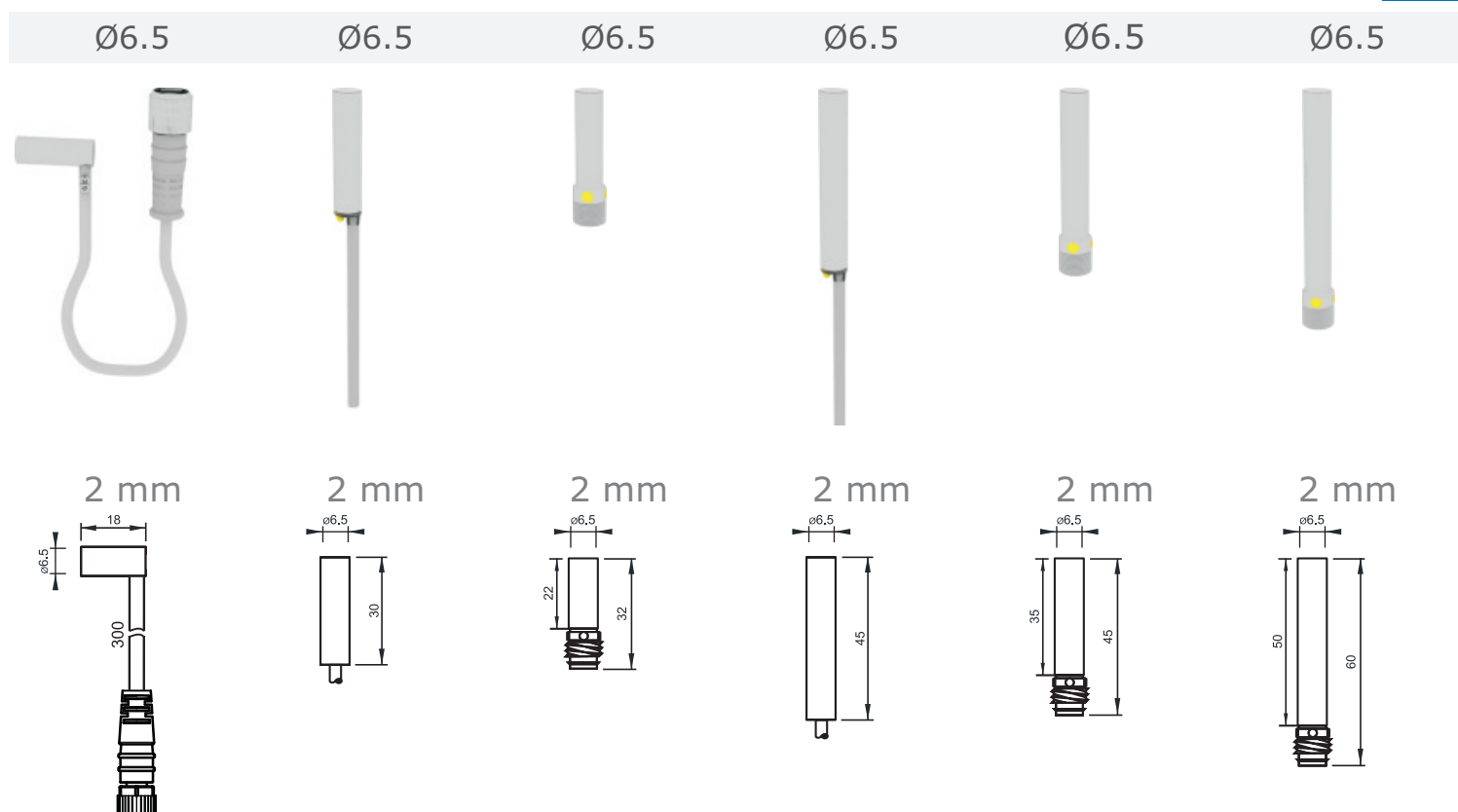
	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm
Sensing Distance	2 mm - Unshielded	2 mm - Unshielded	2 mm - Shielded	2 mm - Shielded
Operating Voltage	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current Consumption	< 8 mA	< 8 mA	< 8 mA	< 8 mA
Current Load Capability	200 mA	200 mA	200 mA	200 mA
Short Circuit Protection	built-in - self resetting	built-in - self resetting	built-in - self resetting	built-in - self resetting
Voltage Drop	< 1.5 V @ 200 mA	< 1.5 V @ 200 mA	< 1.5 V @ 200 mA	< 1.5 V @ 200 mA
Switching Frequency	2000 Hz	2000 Hz	2000 Hz	2000 Hz
Repeatability	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)
Hysteresis	3...15 %	3...15 %	3...15 %	3...15 %
Operating Temperature	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	IP67	IP67	IP67	IP67
Sensing Face Material	POM	POM	POM	POM
Housing Material	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303
Connection	Connector M8, 3-pole	Connector M12, 4-pole	High-Flex PVC, 2m	Conn. M8, 3-pole, 30cm
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IPSD6-N2PO60/M8	IPSD6-N2PO69/M12	IPSD6-S2PO18/A2P	IPSD6-S2PO18/3P8
PNP - NC, 3-wire	IPSD6-N2PC60/M8	IPSD6-S1PC69/M12	IPSD6-S2PC18/A2P	IPSD6-S2PC18/3P8
PNP - NO+NC, 4-wire				
NPN - NO, 3-wire	IPSD6-N2NO60/M8	IPSD6-N2NO69/M12	IPSD6-S2NO18/A2P	IPSD6-S2NO18/3P8
NPN - NC, 3-wire	IPSD6-N2NC60/M8	IPSD6-N2NC69/M12	IPSD6-S2NC18/A2P	IPSD6-S2NC18/3P8
NPN - NO+NC, 4-wire				
10...55 VDC - NO, 2-wire	IPSD6-N2DO60/M8	IPSD6-N2DO69/M12		
10...55 VDC - NC, 2-wire	IPSD6-N2DC60/M8	IPSD6-N2DC69/M12		

Subject to reasonable modifications due to technical advances.

Printed in Germany

Sensotronic AB • Tel.+46 44 200 800 • Fax +46 44 200 899 • info@sensotronic.se • http://www.sensotronic.se

Inductive Proximity Switches



Ø6.5 mm	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm
2 mm - Shielded	2 mm - Shielded	2 mm - Shielded	2 mm - Shielded	2 mm - Shielded	2 mm - Shielded
10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 2000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 Conn. M8, 3-pole, 30cm Integrated	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 2000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 High-Flex PVC, 2m Integrated	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 2000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 Conn. M8, 3-pole, 30cm Integrated	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 2000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 High-Flex PVC, 2m Integrated	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 2000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 Connector M8, 3-pole Integrated	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 2000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 Connector M8, 3-pole Integrated
IPSD6-S2PO18/R3P8 IPSD6-S2PC18/R3P8	IPSD6-S2PO30/A2P IPSD6-S2PC30/A2P	IPSD6-S2PO32/M8 IPSD6-S2PC32/M8	IPSD6-S2PO45/A2P IPSD6-S2PC45/A2P	IPSD6-S2PO45/M8 IPSD6-S2PC45/M8	IPSD6-S2PO60/M8 IPSD6-S2PC60/M8
IPSD6-S2NO18/R3P8 IPSD6-S2NC18/R3P8	IPSD6-S2NO30/A2P IPSD6-S2NC30/A2P	IPSD6-S2NO32/M8 IPSD6-S2NC32/M8	IPSD6-S2NO45/A2P IPSD6-S2NC45/A2P	IPSD6-S2NO45/M8 IPSD6-S2NC45/M8	IPSD6-S2NO60/M8 IPSD6-S2NC60/M8