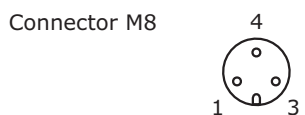
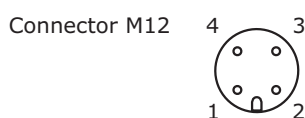
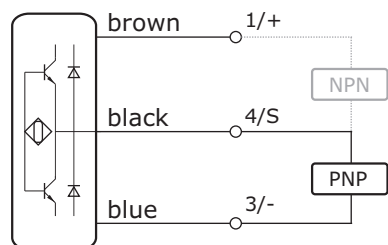
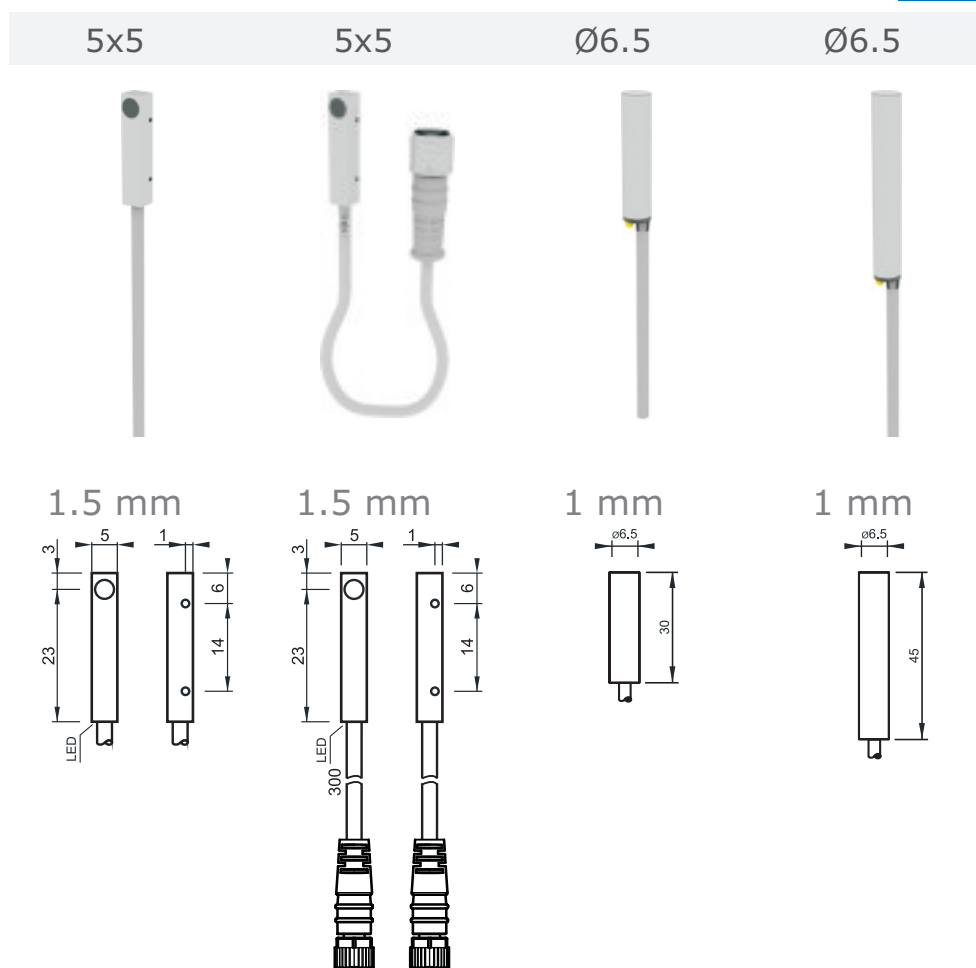


Inductive Proximity Switches

Output Schematics



Not to be
used for
Safety
Applications



SPECIFICATIONS

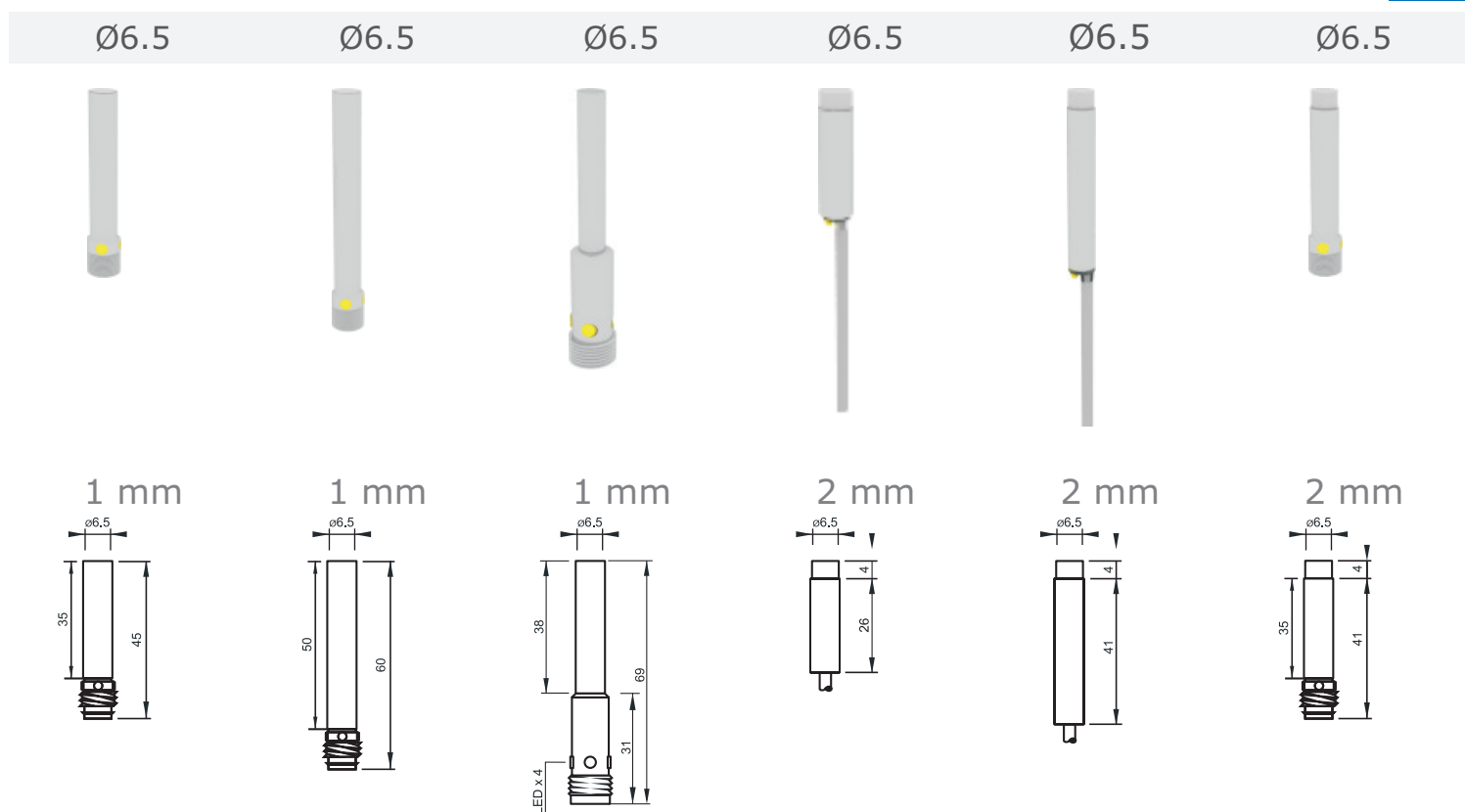
	5 x 5	5 x 5	Ø6.5 mm	Ø6.5 mm
Sensing Distance	1.5 mm - Shielded	1.5 mm - Shielded	1 mm - Shielded	1 mm - Shielded
Operating Voltage	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current Consumption	< 8 mA	< 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	1000 Hz	1000 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	Plated Brass	Plated Brass	1.4305 / SS303	1.4305 / SS303
Connection	High-Flex PVC, 2m	Conn. M8, 3-pole, 30cm	High-Flex PVC, 2m	High-Flex PVC, 2m
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IPS55-S1.5PO26/A2P	IPS55-S1.5PO26/3P8	IPSD6-S1PO30/A2P	IPSD6-S1PO45/A2P
PNP - NC, 3-wire	IPS55-S1.5PC26/A2P	IPS55-S1.5PC26/3P8	IPSD6-S1PC30/A2P	IPSD6-S1PC45/A2P
NPN - NO, 3-wire	IPS55-S1.5NO26/A2P	IPS55-S1.5NO26/3P8	IPSD6-S1NO30/A2P	IPSD6-S1NO45/A2P
NPN - NC, 3-wire	IPS55-S1.5NC26/A2P	IPS55-S1.5NC26/3P8	IPSD6-S1NC30/A2P	IPSD6-S1NC45/A2P
10...55 VDC - NO, 2-wire				IPSD6-S1DO45/A2P
10...55 VDC - NC, 2-wire				IPSD6-S1DC45/A2P

Subject to reasonable modifications due to technical advances.

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Inductive Proximity Switches



Ø6.5 mm	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm
1 mm - Shielded	1 mm - Shielded	1 mm - Shielded	2 mm - Unshielded	2 mm - Unshielded	2 mm - Unshielded
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	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 M12, 4-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 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 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
IPSD6-S1PO45/M8 IPSD6-S1PC45/M8	IPSD6-S1PO60/M8 IPSD6-S1PC60/M8	IPSD6-S1PO69/M12 IPSD6-S1PC69/M12	IPSD6-N2PO30/A2P IPSD6-N2PC30/A2P	IPSD6-N2PO45/A2P IPSD6-N2PC45/A2P	IPSD6-N2PO45/M8 IPSD6-N2PC45/M8
IPSD6-S1NO45/M8 IPSD6-S1NC45/M8	IPSD6-S1NO60/M8 IPSD6-S1NC60/M8 IPSD6-S1DO60/M8 IPSD6-S1DC60/M8	IPSD6-S1NO69/M12 IPSD6-S1NC69/M12 IPSD6-S1DO69/M12 IPSD6-S1DC69/M12	IPSD6-N2NO30/A2P IPSD6-N2NC30/A2P IPSD6-N2DO45/A2P IPSD6-N2DC45/A2P	IPSD6-N2NO45/A2P IPSD6-N2NC45/A2P IPSD6-N2DO45/A2P IPSD6-N2DC45/A2P	IPSD6-N2NO45/M8 IPSD6-N2NC45/M8