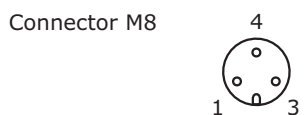
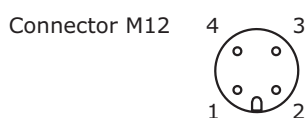
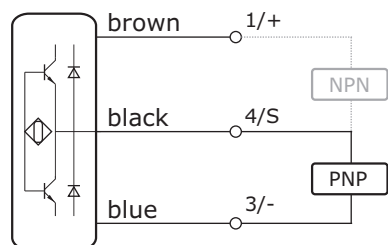


Inductive Proximity Switches

Output Schematics

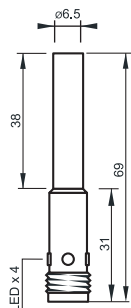


Not to be
used for
Safety
Applications

Ø6.5



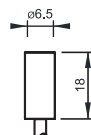
2 mm



Ø6.5



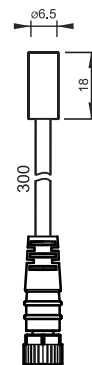
3 mm



Ø6.5



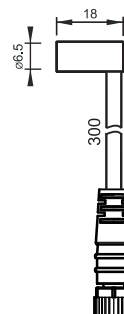
3 mm



Ø6.5



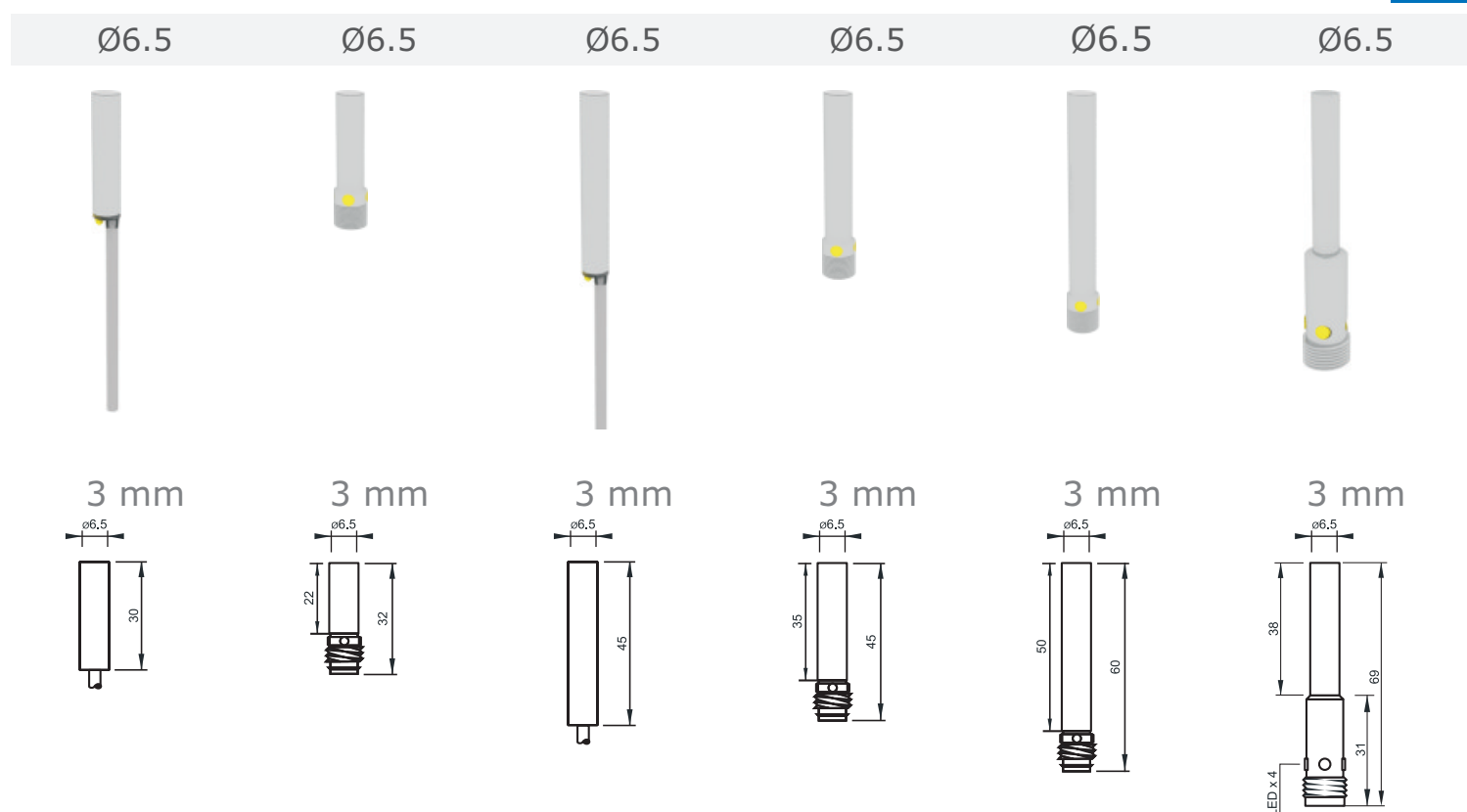
3 mm



SPECIFICATIONS

	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm
Sensing Distance	2 mm - Shielded	3 mm - Shielded	3 mm - Shielded	3 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	1000 Hz	1000 Hz	1000 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 M12, 4-pole	High-Flex PVC, 2m	Conn. M8, 3-pole, 30cm	Conn. M8, 3-pole, 30cm
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IPSD6-S2PO69/M12	IPSD6-S3PO18/A2P	IPSD6-S3PO18/3P8	IPSD6-S3PO18/R3P8
PNP - NC, 3-wire	IPSD6-S2PC69/M12	IPSD6-S3PC18/A2P	IPSD6-S3PC18/3P8	IPSD6-S3PC18/R3P8
PNP - NO+NC, 4-wire				
NPN - NO, 3-wire	IPSD6-S2NO69/M12	IPSD6-S3NO18/A2P	IPSD6-S3NO18/3P8	IPSD6-S3NO18/R3P8
NPN - NC, 3-wire	IPSD6-S2NC69/M12	IPSD6-S3NC18/A2P	IPSD6-S3NC18/3P8	IPSD6-S3NC18/R3P8
NPN - NO+NC, 4-wire				

Inductive Proximity Switches



Ø6.5 mm	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm
3 mm - Shielded	3 mm - Shielded	3 mm - Shielded	3 mm - Shielded	3 mm - Shielded	3 mm - Shielded
10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 1000 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 1000 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 1000 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 1000 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 1000 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 1000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 Connector M12, 4-pole Integrated
IPSD6-S3PO30/A2P IPSD6-S3PC30/A2P	IPSD6-S3PO32/M8 IPSD6-S3PC32/M8	IPSD6-S3PO45/A2P IPSD6-S3PC45/A2P	IPSD6-S3PO45/M8 IPSD6-S3PC45/M8	IPSD6-S3PO60/M8 IPSD6-S3PC60/M8	IPSD6-S3PO70/M12 IPSD6-S3PC70/M12
IPSD6-S3NO30/A2P IPSD6-S3NC30/A2P	IPSD6-S3NO32/M8 IPSD6-S3NC32/M8	IPSD6-S3NO45/A2P IPSD6-S3NC45/A2P	IPSD6-S3NO45/M8 IPSD6-S3NC45/M8	IPSD6-S3NO60/M8 IPSD6-S3NC60/M8	IPSD6-S3NO70/M12 IPSD6-S3NC70/M12