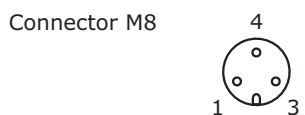
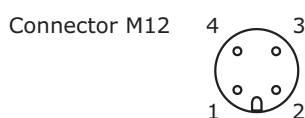
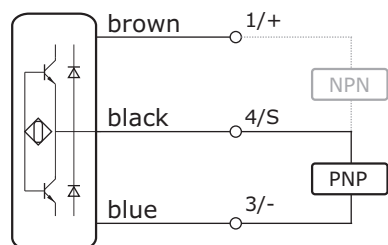


Inductive Proximity Switches

Output Schematics



Not to be
used for
Safety
Applications

Ø6.5

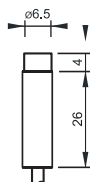
Ø6.5

Ø6.5

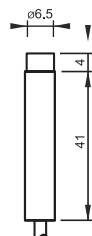
Ø6.5



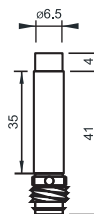
4 mm



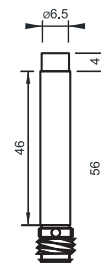
4 mm



4 mm



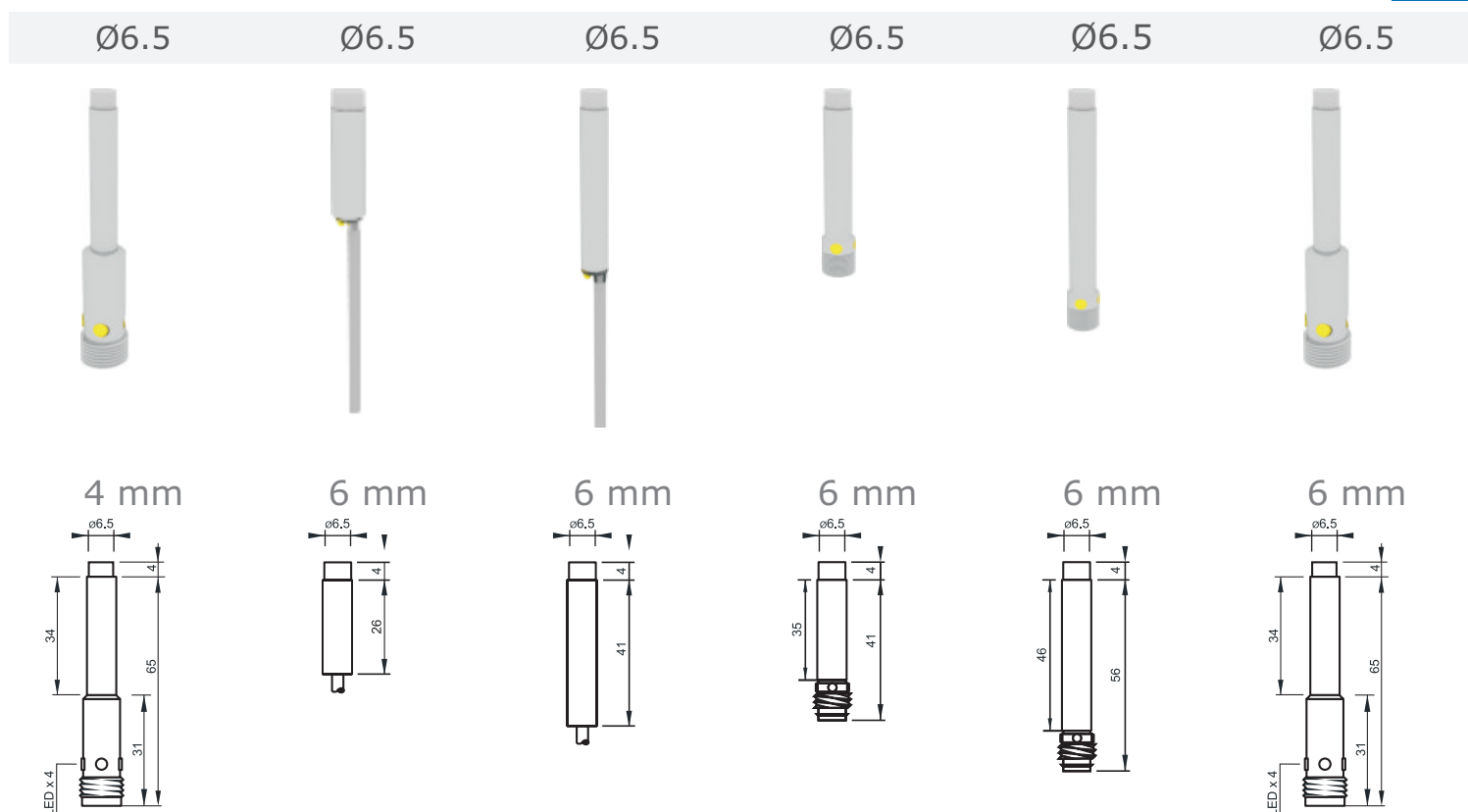
4 mm



SPECIFICATIONS

	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm	Ø6.5 mm
Sensing Distance	4 mm - Unshielded	4 mm - Unshielded	4 mm - Unshielded	4 mm - Unshielded
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	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	High-Flex PVC, 2m	High-Flex PVC, 2m	Connector M8, 3-pole	Connector M8, 3-pole
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IPSD6-N4PO30/A2P	IPSD6-N4PO45/A2P	IPSD6-N4PO45/M8	IPSD6-N4PO60/M8
PNP - NC, 3-wire	IPSD6-N4PC30/A2P	IPSD6-N4PC45/A2P	IPSD6-N4PC45/M8	IPSD6-N4PC60/M8
PNP - NO+NC, 4-wire				
NPN - NO, 3-wire	IPSD6-N4NO30/A2P	IPSD6-N4NO30/A2P	IPSD6-N4NO45/M8	IPSD6-N4NO60/M8
NPN - NC, 3-wire	IPSD6-N4NC30/A2P	IPSD6-N4NC45/A2P	IPSD6-N4NC45/M8	IPSD6-N4NC60/M8
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
4 mm - Unshielded	6 mm - Unshielded	6 mm - Unshielded	6 mm - Unshielded	6 mm - Unshielded	6 mm - Unshielded
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	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 500 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 500 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 500 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 500 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 500 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 Connector M12, 4-pole Integrated
IPSD6-N4PO69/M12 IPSD6-N4PC69/M12	IPSD6-N6PO30/A2P IPSD6-N6P305/A2P	IPSD6-N6PO45/A2P IPSD6-N6PC45/A2P	IPSD6-N6PO45/M8 IPSD6-N6PC45/M8	IPSD6-N6PO60/M8 IPSD6-N6PC60/M8	IPSD6-N6PO70/M12 IPSD6-N6PC70/M12
IPSD6-N4NO69/M12 IPSD6-N4NC69/M12	IPSD6-N63045/A2P IPSD6-N30C45/A2P	IPSD6-N6NO45/A2P IPSD6-N6NC45/A2P	IPSD6-N6NO45/M8 IPSD6-N6NC45/M8	IPSD6-N6NO60/M8 IPSD6-N6NC60/M8	IPSD6-N6NO70/M12 IPSD6-N6NC70/M12