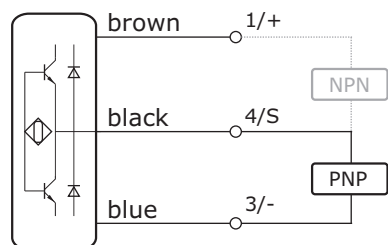
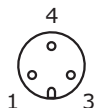


Inductive Proximity Switches

Output Schematics

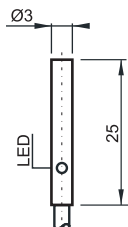


Connector M8

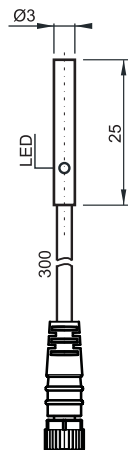


Not to be
used for
Safety
Applications

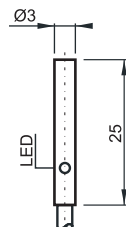
0.6 mm



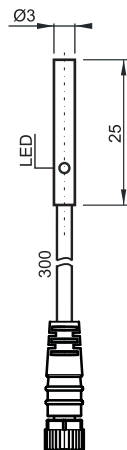
0.6 mm



1 mm



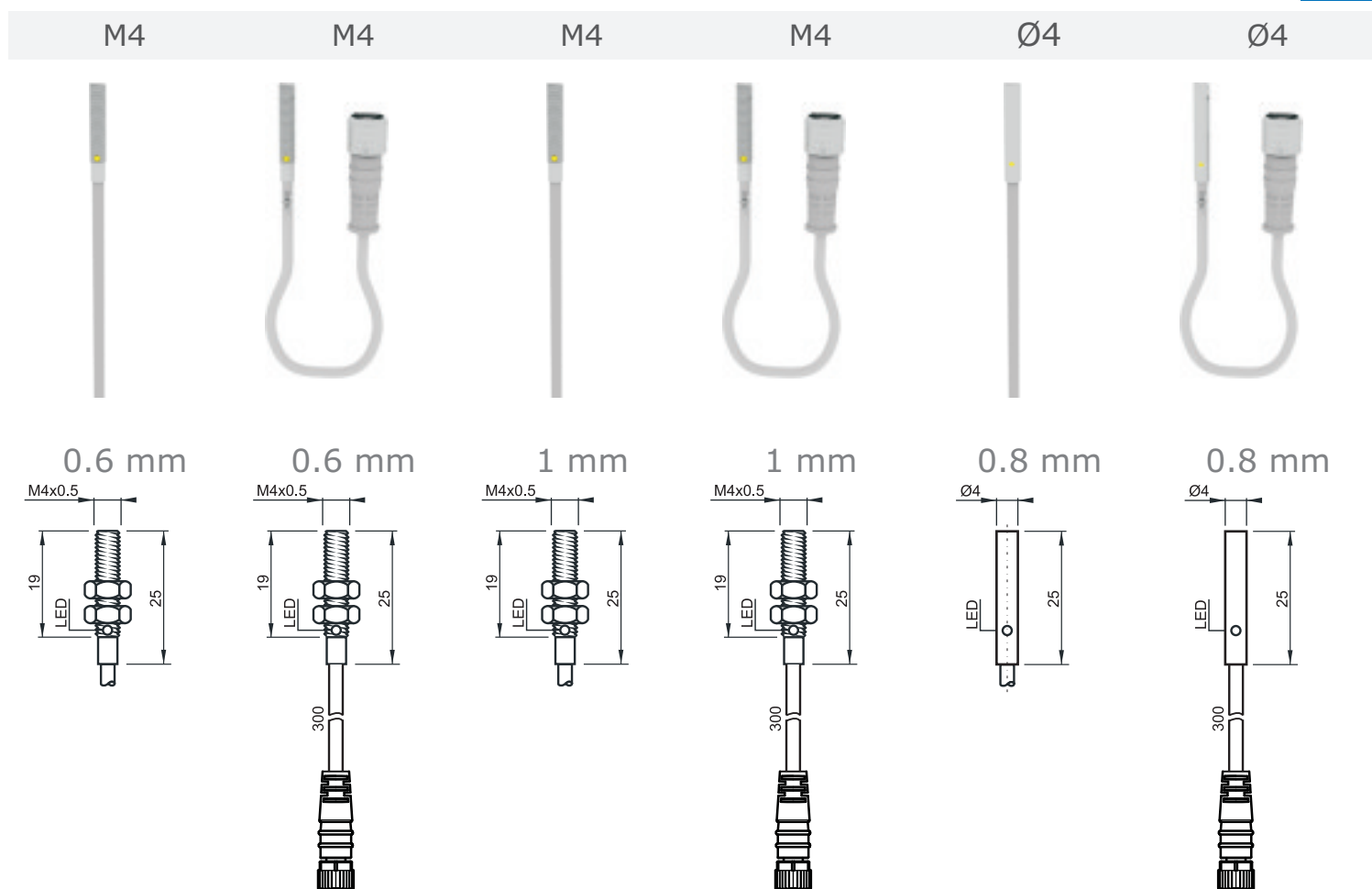
1 mm



SPECIFICATIONS

	Ø3 mm	Ø3 mm	Ø3 mm	Ø3 mm
Sensing Distance	0.6 mm - Shielded	0.6 mm - Shielded	1.0 mm - Shielded	1.0 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	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	Conn. M8, 3-pole, 30cm	High-Flex PVC, 2m	Conn. M8, 3-pole, 30cm
Output Indicator	built-in	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IPSD3-S08PO25/A2P	IPSD3-S08PO25/3P8	IPSD3-S1PO25/A2P	IPSD3-S1PO25/3P8
PNP - NC, 3-wire	IPSD3-S08PC25/A2P	IPSD3-S08PC25/3P8	IPSD3-S1PC25/A2P	IPSD3-S1PC25/3P8
NPN - NO, 3-wire	IPSD3-S08NO25/A2P	IPSD3-S08NO25/3P8	IPSD3-S1NO25/A2P	IPSD3-S1NO25/3P8
NPN - NC, 3-wire	IPSD3-S08NC25/A2P	IPSD3-S08NC25/3P8	IPSD3-S1NC25/A2P	IPSD3-S1NC25/3P8

Inductive Proximity Switches



M4x0.5	M4x0.5	M4x0.5	M4x0.5	Ø4 mm	Ø4 mm
0.6 mm - Shielded	0.6 mm - Shielded	1.0 mm - Shielded	1.0 mm - Shielded	0.8 mm - Shielded	0.8 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 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 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 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
IPS4-S08PO25/A2P IPS4-S08PC25/A2P	IPS4-S08PO25/3P8 IPS4-S08PC25/3P8	IPS4-S1PO25/A2P IPS4-S1PC25/A2P	IPS4-S1PO25/3P8 IPS4-S1PC25/3P8	IPSD4-S08PO25/A2P IPSD4-S08PC25/A2P	IPSD4-S08PO25/3P8 IPSD4-S08PC25/3P8
IPS4-S08NO25/A2P IPS4-S08NC25/A2P	IPS4-S08NO25/3P8 IPS4-S08NC25/3P8	IPS4-S1NO25/A2P IPS4-S1NC25/A2P	IPS4-S1NO25/3P8 IPS4-S1NC25/3P8	IPSD4-S08NO25/A2P IPSD4-S08NC25/A2P	IPSD4-S08NO25/3P8 IPSD4-S08NC25/3P8