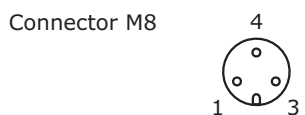
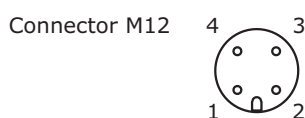
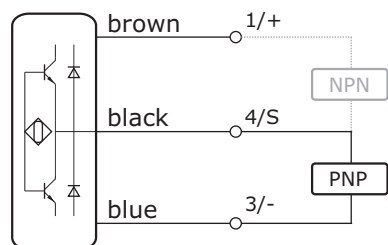
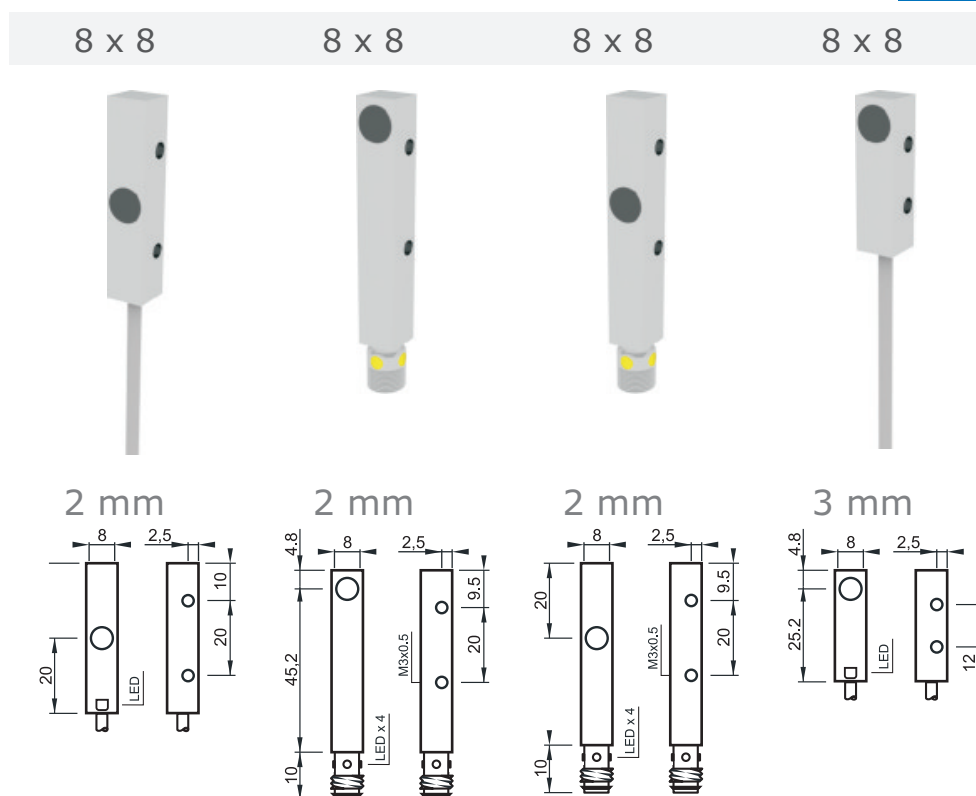


Inductive Proximity Switches

Output Schematics



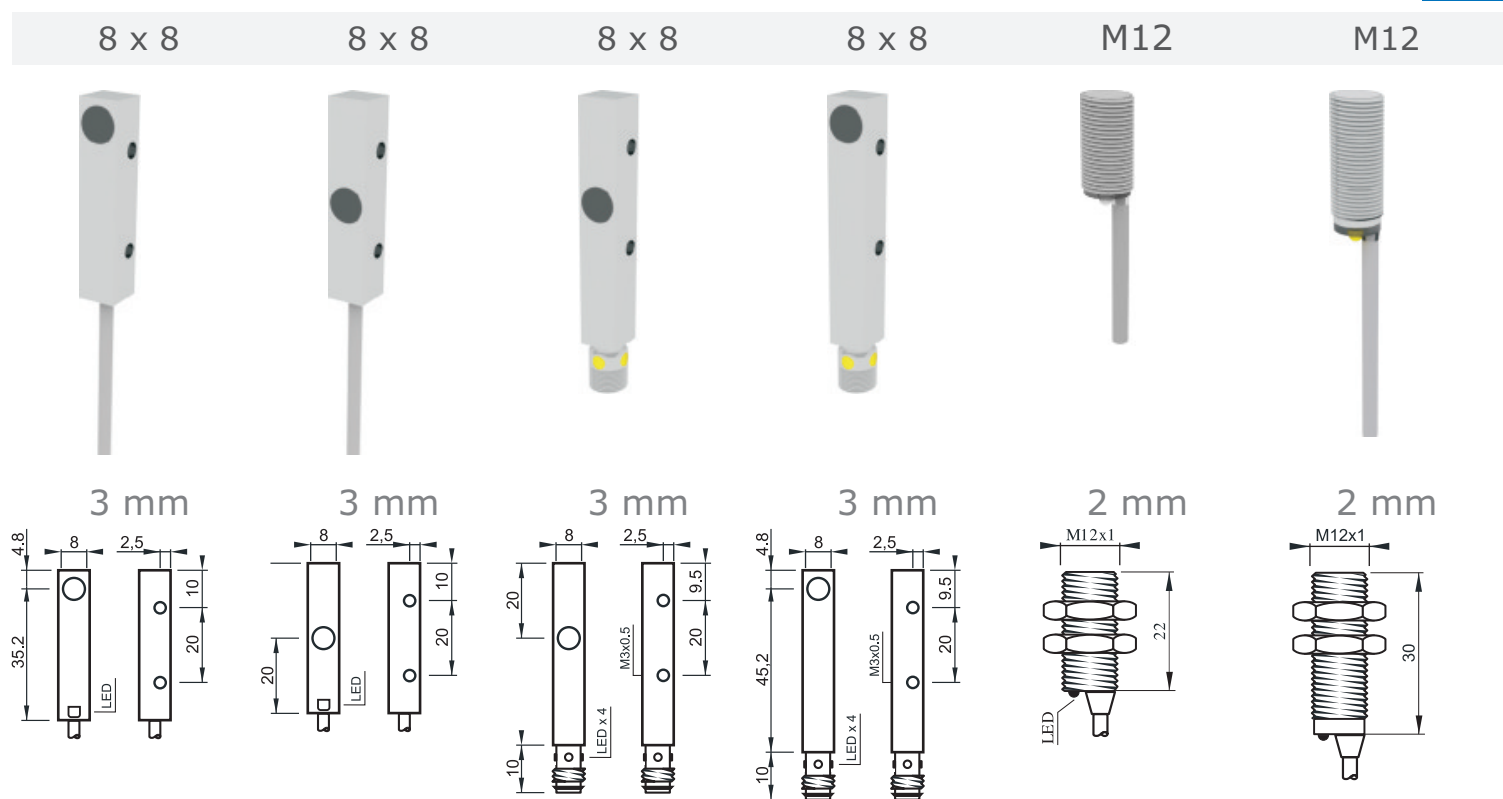
Not to be
used for
Safety
Applications



SPECIFICATIONS

	8 x 8	8 x 8	8 x 8	8 x 8
Sensing Distance	2 mm - Shielded	2 mm - Shielded	2 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	2000 Hz	2000 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	Plated Brass	Plated Brass	Plated Brass	Plated Brass
Connection	High-Flex PVC, 2m	Connector M8, 3-pole	Connector M8, 3-pole	High-Flex PVC, 2m
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IPS88-S2PO40C/A2P	IPS88-S2PO60/M8	IPS88-S2PO60C/M8	IPS88-S3PO30/A2P
PNP - NC, 3-wire	IPS88-S2PC40C/A2P	IPS88-S2PC60/M8	IPS88-S2PC60C/M8	IPS88-S3PC30/A2P
PNP - NO+NC, 4-wire				
NPN - NO, 3-wire	IPS88-S2NO40C/A2P	IPS88-S2NO60/M8	IPS88-S2NO60C/M8	IPS88-S3NO30/A2P
NPN - NC, 3-wire	IPS88-S2NC40C/A2P	IPS88-S2NC60/M8	IPS88-S2NC60C/M8	IPS88-S3NC30/A2P
NPN - NO+NC, 4-wire				

Inductive Proximity Switches



8 x 8	8 x 8	8 x 8	8 x 8	M12x1	M12x1
3 mm - Shielded	3 mm - Shielded	3 mm - Shielded	3mm - 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 1000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass 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 Plated Brass 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 Plated Brass 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 Plated Brass 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 Plated Brass 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 Plated Brass High-Flex PVC, 2m Integrated
IPS88-S3PO40/A2P IPS88-S3PC40/A2P	IPS88-S3PO40C/A2P IPS88-S3PC40C/A2P	IPS88-S3PO60C/M8 IPS88-S3PC60C/M8	IPS88-S3PO60/M8 IPS88-S3PC60/M8	IPS12-S2PO22/A2P IPS12-S2PC22/A2P	IPS12-S2PO30/A2P IPS12-S2PC30/A2P
IPS88-S3NO40/A2P IPS88-S3NC40/A2P	IPS88-S3NO40C/A2P IPS88-S3NC40C/A2P	IPS88-S3NO60C/M8 IPS88-S3NC60C/M8	IPS88-S3NO60/M8 IPS88-S3NC60/M8	IPS12-S2NO22/A2P IPS12-S2NC30/A2P	IPS12-S2NO30/A2P IPS12-S2NC30/A2P