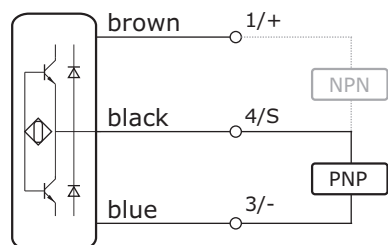
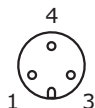


Inductive Proximity Switches

Output Schematics

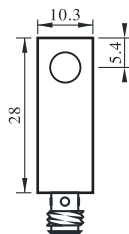


Connector M8

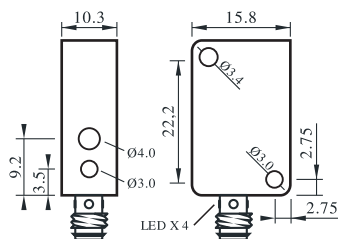


Not to be
used for
Safety
Applications

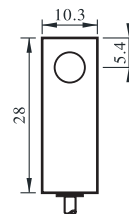
1 mm



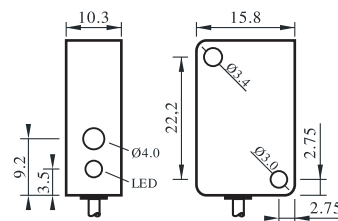
2 mm



2 mm



4 mm



SPECIFICATIONS

	16 x 28 x 10 mm	16 x 28 x 10 mm	16 x 28 x 10 mm	16 x 28 x 10 mm
Sensing Distance	1 mm - Shielded	2 mm - Unshielded	2 mm - Shielded	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	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 Head	PBT	PBT	PBT	PBT
Housing Material	PBT	PBT	PBT	PBT
Connection	Connector M8, 3-pole	Connector M8, 3-pole	High-Flex PVC, 2m	High-Flex PVC, 2m
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IPS1628-S1POS/M8	IPS1628-N2POS/M8	IPS1628-S2POS/A2P	IPS1628-N4POS/A2P
PNP - NC, 3-wire	IPS1628-S1PCS/M8	IPS1628-N2PCS/M8	IPS1628-S2PCS/A2P	IPS1628-N4PCS/A2P
PNP - NO+NC, 4-wire				
NPN - NO, 3-wire	IPS1628-S1NOS/M8	IPS1628-N24NOS/M8	IPS1628-S2NOS/A2P	IPS1628-N4NOS/A2P
NPN - NC, 3-wire	IPS1628-S1NCS/M8	IPS1628-N2NCS/M8	IPS1628-S2NCS/A2P	IPS1628-N4NCS/A2P
NPN - NO+NC, 4-wire				
10...55 VDC - NO, 2-wire				
10...55 VDC - NC, 2-wire				

Subject to reasonable modifications due to technical advances.

Printed in Germany

Sensotronic AB • Tel. +46 44 200 800 • Fax +46 44 200 899 • info@sensotronic.se • http://www.sensotronic.se

Inductive Proximity Switches

16x28



16x28



16x28



2 mm

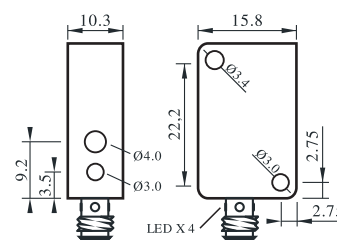
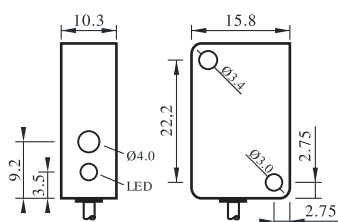
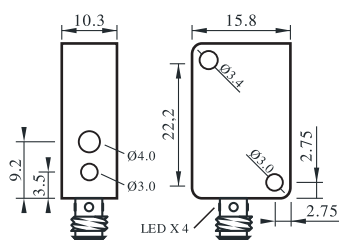
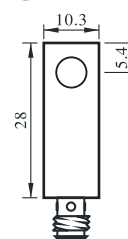
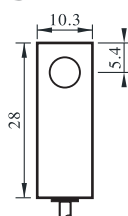
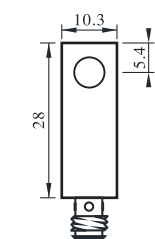
4 mm

3 mm

6 mm

3 mm

6 mm



16 x 28 x 10 mm	16 x 28 x 10 mm	16 x 28 x 10 mm	16 x 28 x 10 mm	16 x 28 x 10 mm	16 x 28 x 10 mm
3 mm - Shielded	6 mm - Unshielded	3 mm - Shielded	6 mm - Unshielded	3 mm - Shielded	6 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 PBT PBT 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 PBT PBT 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 PBT PBT 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 PBT PBT 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 PBT PBT 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 PBT PBT Connector M8, 3-pole Integrated
IPS1628-S2POS/M8 IPS1628-S2PCS/M8	IPS1628-N4POS/M8 IPS1628-N4PCS/M8	IPS1628-S3POS/A2P IPS1628-S3PCS/A2P	IPS1628-N6POS/A2P IPS1628-N6PCS/A2P	IPS1628-S3POS/M8 IPS1628-S3PCS/M8	IPS1628-N6POS/M8 IPS1628-N6PCS/M8
IPS1628-S2NOS/M8 IPS1628-S2NCS/M8	IPS1628-N4NOS/M8 IPS1628-N4NCS/M8	IPS1628-S3NOS/A2P IPS1628-S3NCS/A2P	IPS1628-N6NOS/A2P IPS1628-N6NCS/A2P	IPS1628-S3NOS/M8 IPS1628-S3NCS/M8	IPS1628-N6NOS/M8 IPS1628-N6NCS/M8