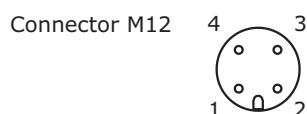
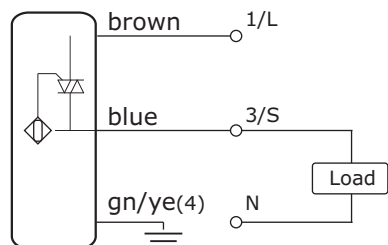


Inductive Proximity Switches

20... 250 VAC

Output Schematics



Not to be
used for
Safety
Applications

M18



M18



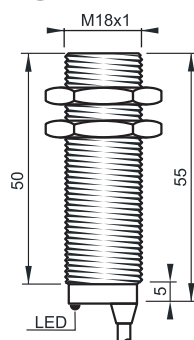
M18



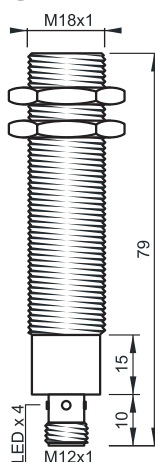
M18



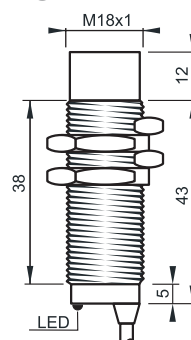
8 mm



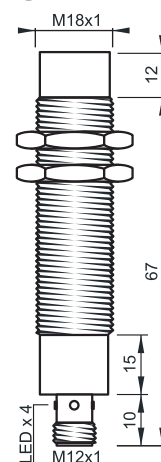
8 mm



8 mm



8 mm



SPECIFICATIONS

	M18x1	M18x1	M18x1	M18x1
Sensing Distance	8 mm - Shielded	8 mm - Shielded	8 mm - Unshielded	8 mm - Unshielded
Operating Voltage	20... 250 VAC, 2-wire	20... 250 VAC, 2-wire	20... 250 VAC, 2-wire	20... 250 VAC, 2-wire
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current Consumption	< 3 mA	< 3 mA	< 3 mA	< 3 mA
Current Load Capability	400 mA	400 mA	400 mA	400 mA
Short Circuit Protection	-	-	-	-
Voltage Drop	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA
Switching Frequency	25 Hz	25 Hz	25 Hz	25 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 M12, 4-pole	High-Flex PVC, 2m	Connector M12, 4-pole
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				

2-wire NO, 20... 250 VAC
2-wire NC, 20... 250 VAC

IPS18-S8AO55/A2P
IPS18-S8AC55/A2P

IPS18-S8AO79/M12
IPS18-S8AC79/M12

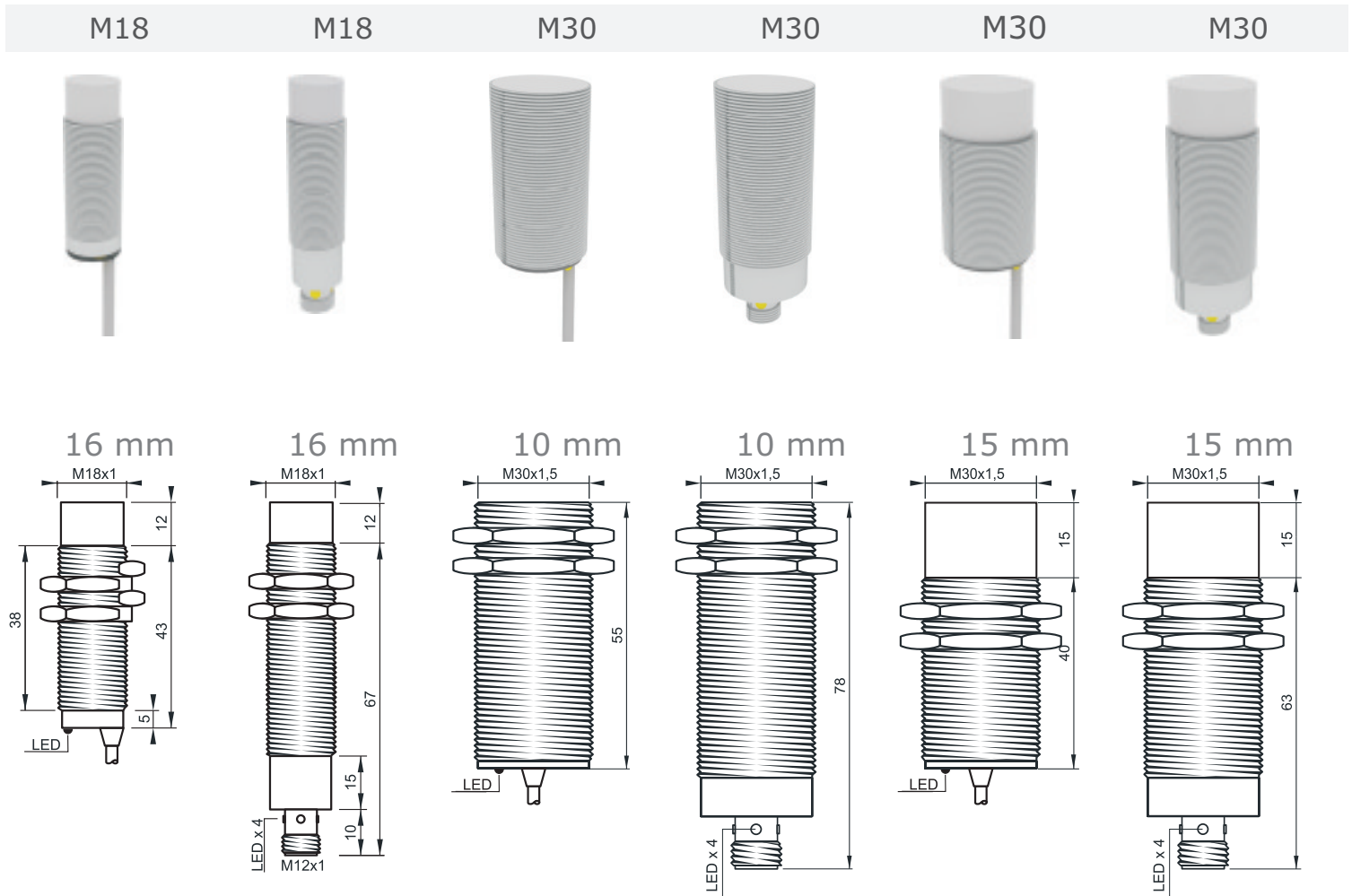
IPS18-N8AO55/A2P
IPS18-N8AC55/A2P

IPS18-N8AO79/M12
IPS18-N8AC79/M12

Inductive Proximity Switches

20... 250 VAC

INDUCTIVE



M18x1	M18x1	M30x1	M30x1	M30x1	M30x1
16 mm - Unshielded	16 mm - Unshielded	10 mm - Shielded	10 mm - Unshielded	15 mm - Unshielded	15 mm - Unshielded
20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in
< 3 mA	< 3 mA	< 3 mA	< 3 mA	< 3 mA	< 3 mA
400 mA	400 mA	400 mA	400 mA	400 mA	400 mA
-	-	-	-	-	-
< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA
25 Hz	25 Hz	25 Hz	25 Hz	25 Hz	25 Hz
< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)
3...15 %	3...15 %	3...15 %	3...15 %	3...15 %	3...15 %
-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C
IP67	IP67	IP67	IP67	IP67	IP67
POM	POM	POM	POM	POM	POM
Plated Brass	Plated Brass	Plated Brass	Plated Brass	Plated Brass	Plated Brass
High-Flex PVC, 2m	Connector M12, 4-pole	High-Flex PVC, 2m	Connector M12, 4-pole	High-Flex PVC, 2m	Connector M12, 4-pole
Integrated	Integrated	Integrated	Integrated	Integrated	Integrated

IPS18-N8AO55/A2P
IPS18-N8AC55/A2P

IPS18-N16AO79/M12
IPS18-N16AC79/M12

IPS30-S10AO55/A2P
IPS30-S10AC55/A2P

IPS30-S10AO79/M12
IPS30-S10AC79/M12

IPS30-N15AO55/A2P
IPS30-N15AC55/A2P

IPS30-N15AO79/M12
IPS30-N15AC79/M12