

Inductive Proximity Switches

20... 250 VAC

INDUCTIVE

M12 M12 M12 M12 M18 M18



4 mm

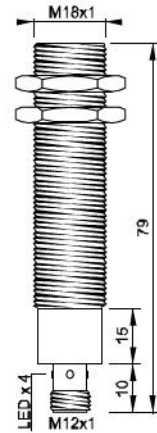
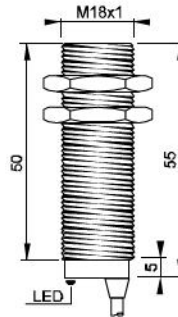
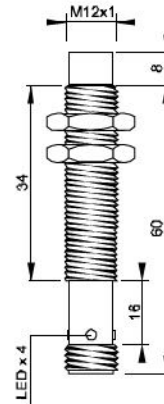
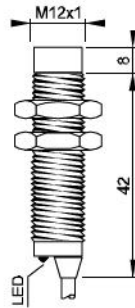
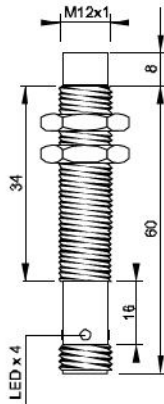
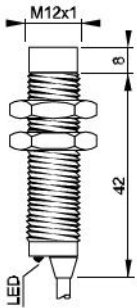
4 mm

8 mm

8 mm

5 mm

5 mm



M12x1	M12x1	M12x1	M12x1	M18x1	M18x1
4 mm - Unshielded	4 mm - Unshielded	8 mm - Unshielded	8 mm - Unshielded	5 mm - Shielded	5 mm - Shielded
20... 250 VAC	20... 250 VAC	20... 250 VAC	20... 250 VAC	20... 250 VAC	20... 250 VAC
< 2 mA	< 2 mA	< 2 mA	< 2 mA	< 2 mA	< 2 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
PBT	PBT	PBT	PBT	PBT	PBT
PVC, 3-pole, 2m Incorporated	M12, 3-pole Incorporated	PVC, 3-pole, 2m Incorporated	M12, 3-pole Incorporated	PVC, 3-pole, 2m Incorporated	M12, 3-pole Incorporated

IPS12 N4A050/A2P
IPS12 N4AC50/A2P

IPS12 N4A068/M12
IPS12 N4AC68/M12

IPS12 N8A050/A2P
IPS12 N8AC50/A2P

IPS12 N8A068/M12
IPS12 N8AC68/M12

IPS18 S5A055/A2P
IPS18 S5AC55/A2P

IPS18 S5A078/M12
IPS18 S5AC78/M12

- M12/3

- M12/3

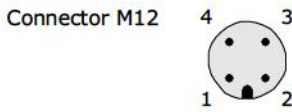
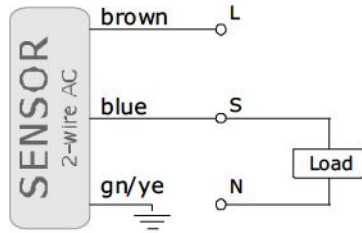
- M12/3



Inductive Proximity Switches 20... 250 VAC

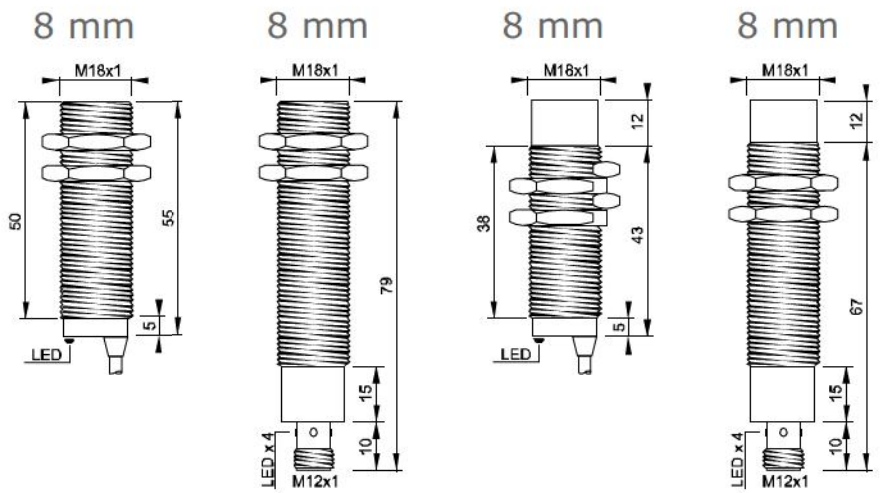
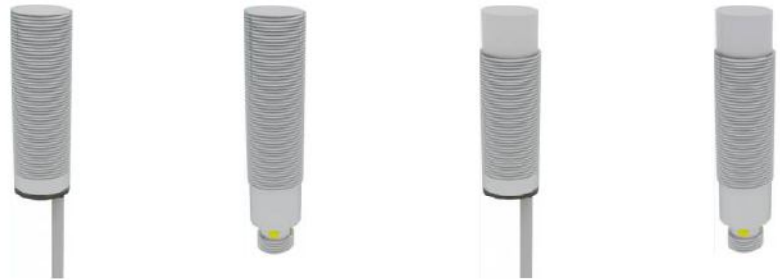
INDUCTIVE

Output Schematics



The use of this sensors is not permitted if the safety of people is relying upon it.

M18 M18 M18 M18



SPECIFICATIONS







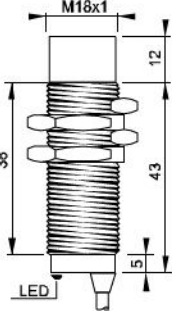
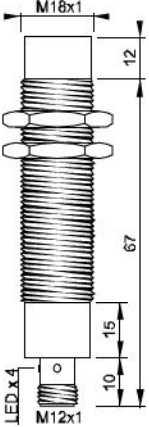
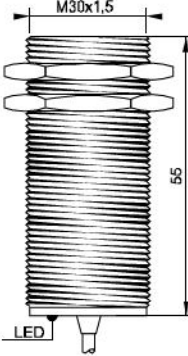
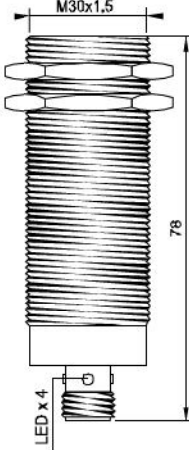
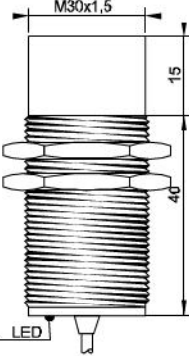
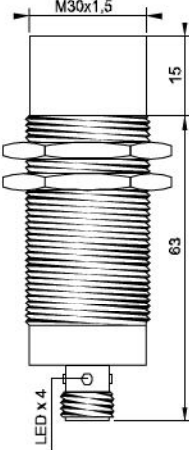
	M18x1	M18x1	M18x1	M18x1
Sensing Distance	8 mm - Shielded	8 mm - Shielded	8 mm - Unshielded	8 mm - Unshielded
Operating Voltage	20... 250 VAC	20... 250 VAC	20... 250 VAC	20... 250 VAC
Current Consumption	< 2 mA	< 2 mA	< 2 mA	< 2 mA
Output Current	400 mA	400 mA	400 mA	400 mA
Voltage Drop	< 8 V @ 400 mA	< 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	PBT	PBT	PBT	PBT
Connected	PVC, 3-pole, 2m	M12, 3-pole	PVC, 3-pole, 2m	M12, 3-pole
Operating-LED	Incorporated	Incorporated	Incorporated	Incorporated
Article Code				

2-wire NO, 20... 250 VAC	IPS18 S8AO55/A2P	IPS18 S8AO78/M12	IPS18 N8AO55/A2P	IPS18 N8AO78/M12
2-wire NC, 20... 250 VAC	IPS18 S8AC55/A2P	IPS18 S8AC78/M12	IPS18 N8AC55/A2P	IPS18 N8AC78/M12
Recommended Connecting Cable	-	M12/3	-	M12/3

Inductive Proximity Switches

20... 250 VAC

INDUCTIVE

M18	M18	M30	M30	M30	M30
					
16 mm	16 mm	10 mm	10 mm	15 mm	15 mm
					
M18x1	M18x1	M30x1,5	M30x1,5	M30x1,5	M30x1,5
16 mm - Unshielded	16 mm - Unshielded	10 mm - Shielded	10 mm - Unshielded	15 mm - Shielded	15 mm - Unshielded
20... 250 VAC	20... 250 VAC	20... 250 VAC	20... 250 VAC	20... 250 VAC	20... 250 VAC
< 2 mA	< 2 mA	< 2 mA	< 2 mA	< 2 mA	< 2 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
PBT	PBT	PBT	PBT	PBT	PBT
PVC, 3-pole, 2m Incorporated	M12, 3-pole Incorporated	PVC, 3-pole, 2m Incorporated	M12, 3-pole Incorporated	PVC, 3-pole, 2m Incorporated	M12, 3-pole Incorporated
IPS18 N8AO55/A2P IPS18 N8AC55/A2P	IPS18 N16AO78/M12 IPS18 N16AC78/M12	IPS30 S10AO55/A2P IPS30 S10AC55/A2P	IPS30 S10AO78/M12 IPS30 S10AC78/M12	IPS30 N15AO55/A2P IPS30 N15AC55/A2P	IPS30 N15AO78/M12 IPS30 N15AC78/M12
-	M12/3	-	M12/3	-	M12/3