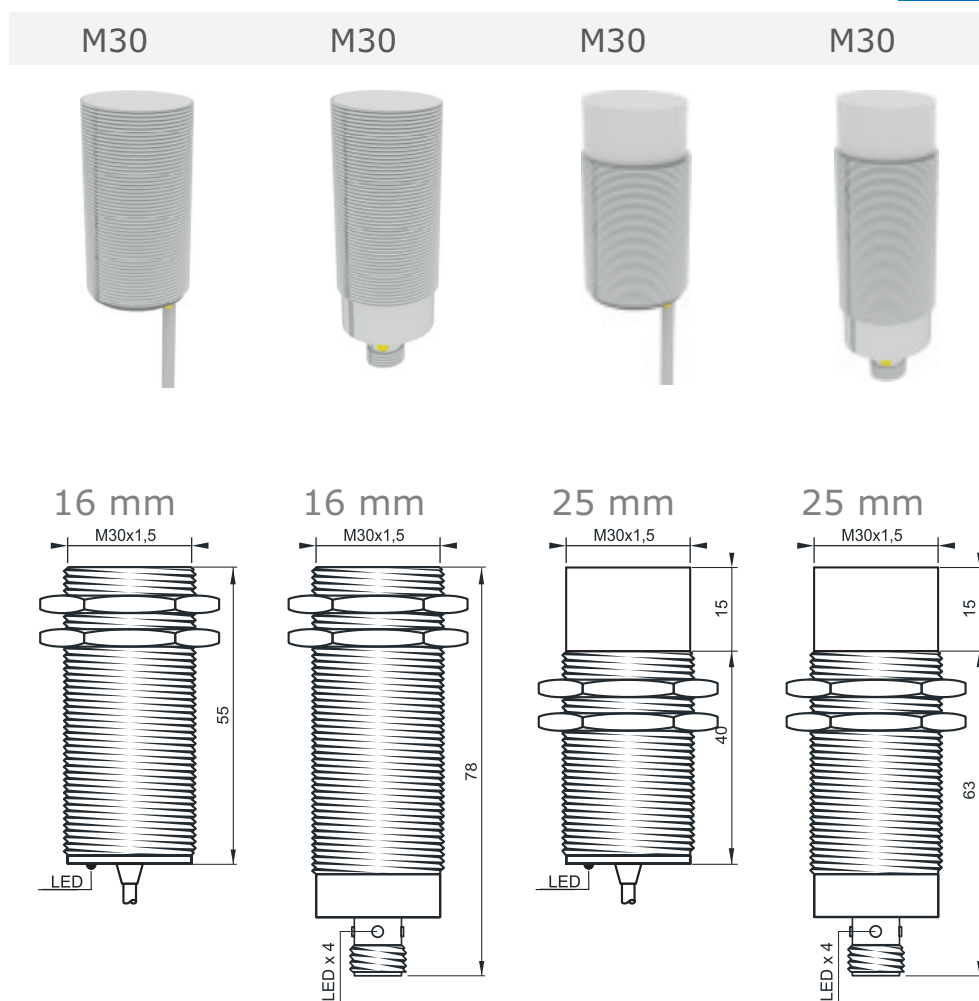
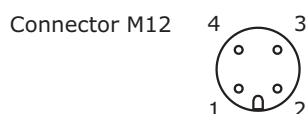
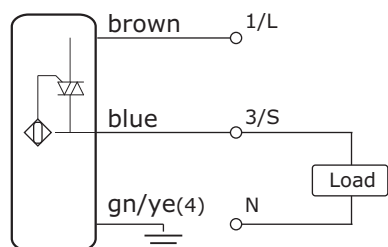


Inductive Proximity Switches

20... 250 VAC

Output Schematics



SPECIFICATIONS

	M30x1	M30x1	M30x1	M30x1
Sensing Distance	16 mm - Shielded	16 mm - Shielded	25 mm - Unshielded	25 mm - Unshielded
Operating Voltage	20... 250 VAC	20... 250 VAC	20... 250 VAC	20... 250 VAC
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	by amplifier			
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

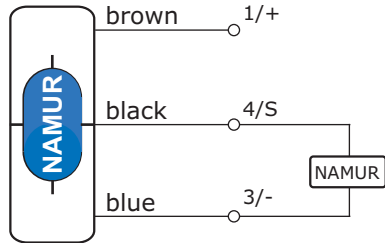
IPS30-S16AO55/A2P
IPS30-S16AC55/A2P

IPS30-S16AO79/M12
IPS30-S16AC79/M12

IPS30-N25AO55/A2P
IPS30-N25AC55/A2P

IPS30-N25AO79/M12
IPS30-N25AC79/M12

Output Schematics



Ø4

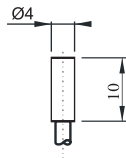
Ø4

Ø4

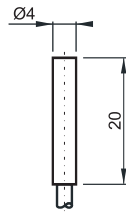
M5



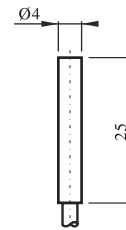
0.8 mm



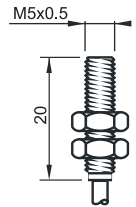
0.8 mm



0.8 mm



0.8 mm



SPECIFICATIONS

	Ø4 mm - NAMUR	Ø4 mm - NAMUR	Ø4 mm - NAMUR	M5 - NAMUR
Sensing Distance	0.8 mm - Shielded	0.8 mm - Shielded	0.8 mm - Shielded	0.8 mm - Shielded
Amplified	External	External	External	External
Operating Voltage	6... 12 VDC, NAMUR	6... 12 VDC, NAMUR	6... 12 VDC, NAMUR	6... 12 VDC, NAMUR
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current On-State	> 2.1 mA	> 2.1 mA	> 2.1 mA	> 2.1 mA
Current Off-State	< 1.1 mA	< 1.1 mA	< 1.1 mA	< 1.1 mA
Short Circuit Protection	by Amplifier	by Amplifier	by Amplifier	by Amplifier
Output-Function	by Amplifier	by Amplifier	by Amplifier	by Amplifier
Switching Frequency	2000 Hz	2000 Hz	2000 Hz	2000 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	High-Flex PVC, 2m	High-Flex PVC, 2m	High-Flex PVC, 2m
Output Indicator	by Amplifier	by Amplifier	by Amplifier	by Amplifier
NAMUR	IPSD4-S08NA10/N2P	IPSD4-S08NA20/N2P	IPSD4-S08NA25/N2P	IPS5-S08NA20/N2P