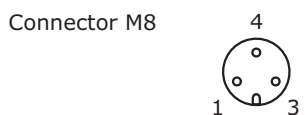
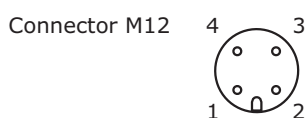
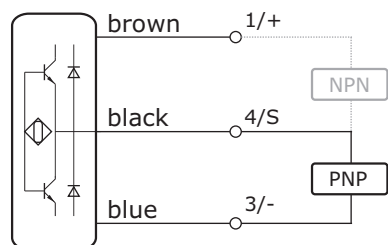


Capacitive Proximity Switches

Output Schematics



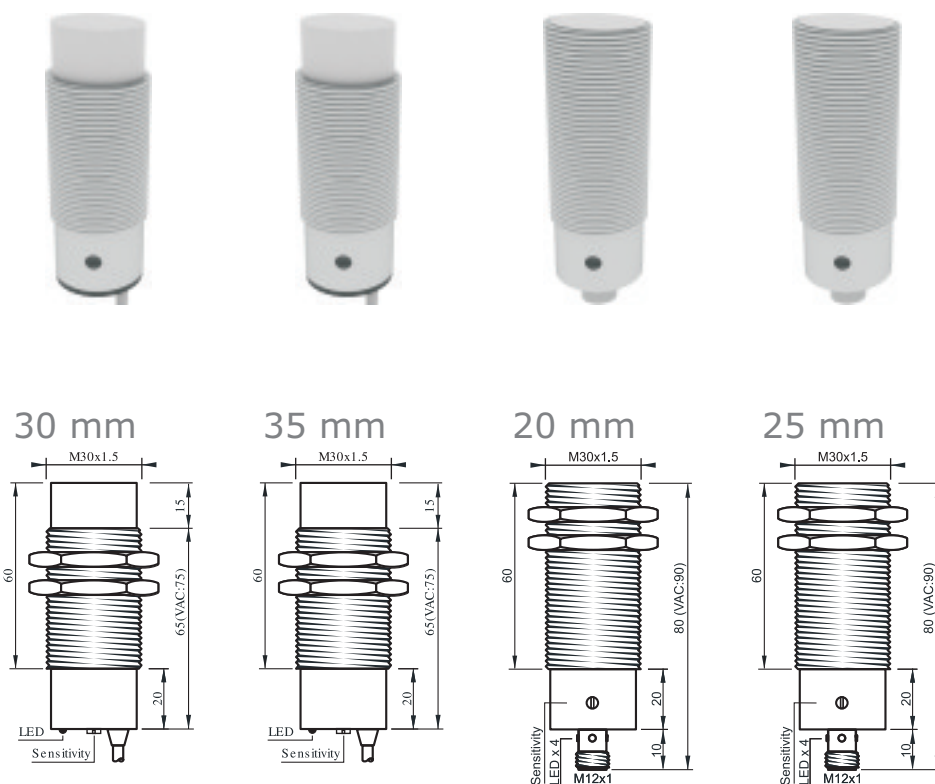
Not to be
used for
Safety
Applications

M30

M30

M30

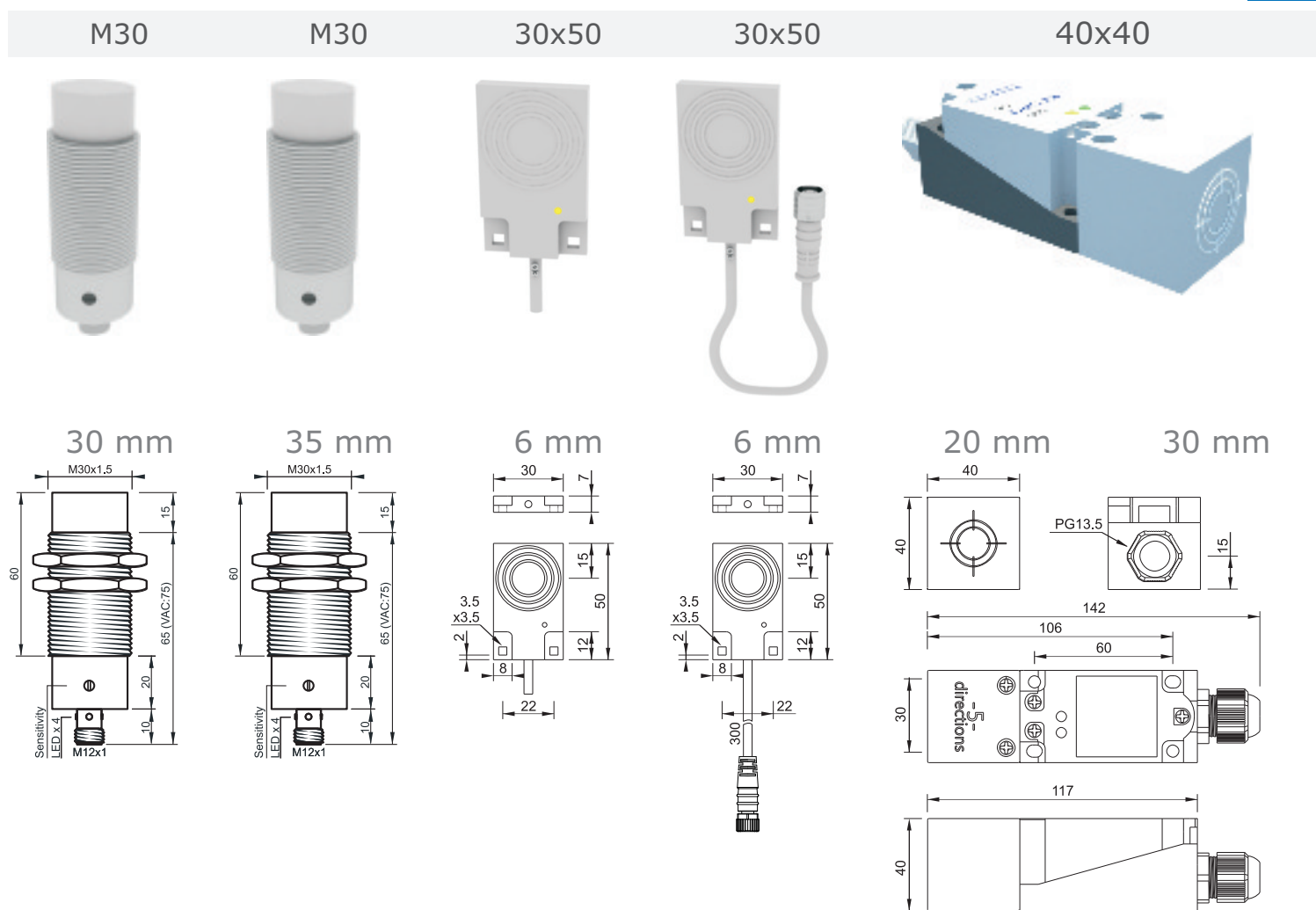
M30



SPECIFICATIONS

	M30x1.5	M30x1.5	M30x1.5	M30x1.5
Sensing Distance (Sn)	30 mm - Unshielded	35 mm - Unshielded	20 mm - Shielded	25 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	< 9 mA	< 9 mA	< 9 mA	< 9 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
Adjustment	Adjustable, Multi-Turn	Adjustable, Multi-Turn	Adjustable, Multi-Turn	Adjustable, Multi-Turn
Switching Frequency	100 / 25 Hz	100 Hz	100 / 25 Hz	100 Hz
Repeatability	< 4 %	< 4 %	< 4 %	< 4 %
Hysteresis	3...15 %	3...15 %	3...15 %	3...15 %
Operating Temperature	-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C
Temperature Drift	< 10 % (Sn)	< 10 % (Sn)	< 10 % (Sn)	< 10 % (Sn)
Protection Class	IP 67	IP 67	IP 67	IP 67
Housing Material	Plated Brass	Plated Brass	Plated Brass	Plated Brass
Connection	High-Flex PVC, 2m	High-Flex PVC, 2m	Connector M12, 4-pole	Connector M12, 4-pole
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP, NO	CS30-N30PO80/A2P	CS30-N35PO80/A2P	CS30-S20PO80/M12	CS30-S25PO80/M12
PNP, NC	CS30-N30PC80/A2P	CS30-N35PC80/A2P	CS30-S20PC80/M12	CS30-S25PC80/M12
NPN, NO	CS30-N30NO80/A2P	CS30-N35NO80/A2P	CS30-S20NO80/M12	CS30-S25NO80/M12
NPN, NC	CS30-N30NC80/A2P	CS30-N35NC80/A2P	CS30-S20NC80/M12	CS30-S25NC80/M12
2-wire+Ground NO, 20...250 VAC	see next section	-	see next section	-
2-wire+Ground NC, 20...250 VAC	see next section	-	see next section	-

Capacitive Proximity Switches



M30x1.5	M30x1.5	30x50	30x50	40x40 mm	40x40 mm
30 mm - Unshielded 10...30 VDC, 3-wire built-in < 9 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA Adjustable, Multi-Turn 100 / 25 Hz < 4 % 3...15 % -25...+70 °C < 10 % (Sn) IP 67 Plated Brass Connector M12, 4-pole Integrated	35 mm - Unshielded 10...30 VDC, 3-wire built-in < 9 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA Adjustable, Multi-Turn 100 Hz < 4 % 3...15 % -25...+70 °C < 10 % (Sn) IP 67 Plated Brass Connector M12, 4-pole Integrated	6 mm - Shielded 10...30 VDC, 3-wire built-in < 9 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA Adjustable, Multi-Turn 100 Hz < 4 % 3...15 % -25...+70 °C < 10 % (Sn) IP 67 PBT High-Flex PVC, 2m Integrated	6 mm - Shielded 10...30 VDC, 3-wire built-in < 9 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA Adjustable, Multi-Turn 100 Hz < 4 % 3...15 % -25...+70 °C < 10 % (Sn) IP 67 PBT Conn. M8, 3-pole, 30cm Integrated	20 mm - Shielded 10...30 VDC, 3-wire built-in < 10 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA Adjustable, Multi-Turn 100 / 25 Hz < 5 % 3...15 % -25...+70 °C < 10 % (Sn) IP 67 PBT PG13.5, Terminal Integrated	30 mm - Unshielded 10...30 VDC, 3-wire built-in < 10 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA Adjustable, Multi-Turn 100 Hz < 5 % 3...15 % -25...+70 °C < 10 % (Sn) IP 67 PBT PG13.5, Terminal Integrated
CS30-N30PO80/M12 CS30-N30PC80/M12 CS30-N30NO80/M12 CS30-N30NC80/M12 see next section see next section	CS30-N35PO80/M12 CS30-N35PC80/M12 CS30-N35NO80/M12 CS30-N35NC80/M12 - -	CS3050-S6PO7/A2P CS3050-S6PC7/A2P CS3050-S6NO7/A2P CS3050-S6NC7/A2P - -	CS3050-S6PO7/3P8 CS3050-S6PC7/3P8 CS3050-S6NO7/3P8 CS3050-S6NC7/3P8 - -	CS40-S20POL/PG13 CS40-S20PCL/PG13 CS40-S20NOL/PG13 CS40-S20NCL/PG13 see next section see next section	CS40-N30POL/PG13 CS40-N30PCL/PG13 CS40-N30NOL/PG13 CS40-N30NCL/PG13 see next section see next section