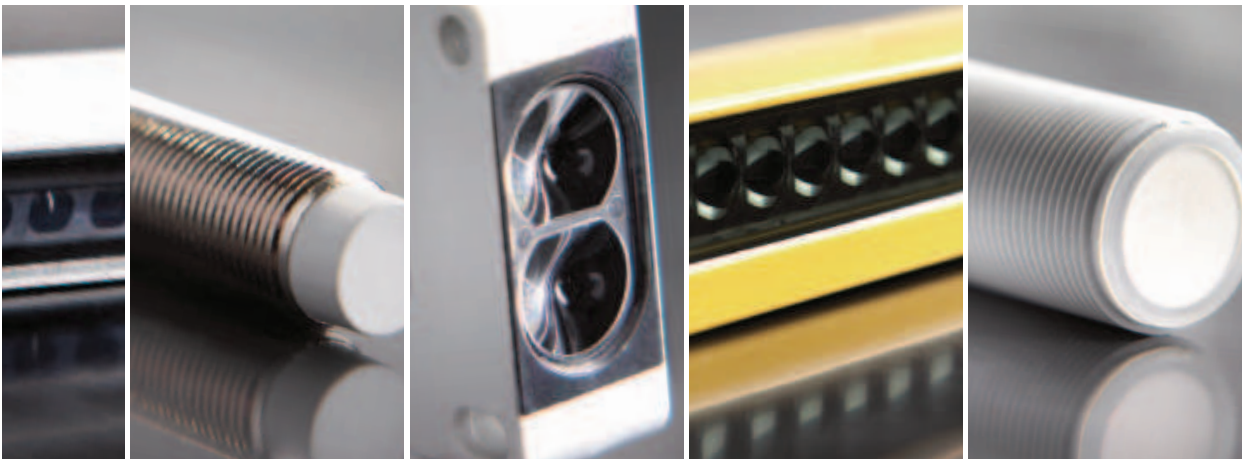




Micro Detectors

Italian Sensors Technology



short form
Catalogue

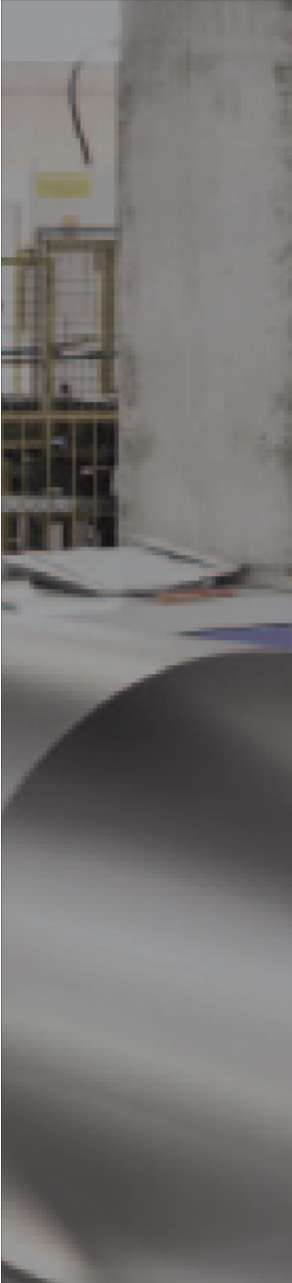


Proximity Sensors

Inductive Sensors





- Miniaturized
- Standard
- Decout NPN/PNP - NO/NC
- IP68
- AC
- IP69K
- Cubic
- High temperature
- Analogue

Capacitive Sensors






Inductive Sensors

Miniaturized








		PA	PB	PC	PD
					
dimensions		ø 3 mm	M4	ø 4 mm	M5
standard shielded		0.6 mm	0.6 mm	0.8 mm	0.8 mm
standard unshielded		—	—	—	—
long distance shielded		1 mm	1 mm	1.5 mm	1.5 mm
long distance unshielded		—	—	—	—
standard housing		—	—	—	—
short housing		—	—	—	—
miniaturized housing		●	●	●	●
supply voltage	Vdc	●	●	●	●
	Vac	—	—	—	—
output type	NPN - NO	●	●	●	●
	NPN - NC	●	●	●	●
	PNP - NO	●	●	●	●
	PNP - NC	●	●	●	●
	PNP - NO / NC	—	—	—	—
	NPN - NO + NC	—	—	—	—
	DECOUT®	—	—	—	—
	SCR	—	—	—	—
0...10 V		—	—	—	—
4...20 mA		—	—	—	—
temperature range		-25°C...+70°C	-25°C...+70°C	-25°C...+70°C	-25°C...+70°C
protection degree		IP67	IP67	IP67	IP67
housing material		stainless steel	stainless steel	stainless steel	stainless steel
active head material		PBT	PBT	PBT	PBT
output	cable	●	●	●	●
	M8 plug	—	—	●	●
	M12 plug	—	—	—	—
ATEX		—	—	—	—
other certifications		CE	CE	CE	CE



	PP	PH	PE
			
	5x5x25 mm	ø 6.5 mm	M8
	0.8 mm	1.5 mm	1.5 mm
	—	—	—
	1.5 mm	—	—
	—	—	—
	—	—	—
	—	—	—
	•	•	•
	•	•	•
	—	—	—
	•	•	•
	•	•	•
	•	•	•
	•	•	•
	—	—	—
	—	—	—
	—	—	—
	—	—	—
	—	—	—
	-25°C...+70°C	-25°C...+70°C	-25°C...+70°C
	IP67	IP67	IP67
	stainless steel	stainless steel	stainless steel
	PBT	PBT	PBT
	•	•	•
	•	•	•
	—	—	—
	—	—	—
	CE	CE	CE







Inductive Sensors

Standard

		AH	AE	AM	AK
					
dimensions		ø 6.5 mm	M8	M12	M18
standard shielded		1.5 mm	1.5 mm	2 mm	5 mm
standard unshielded		2.5 mm	2.5 mm	4 mm	8 mm
long distance shielded		2 mm	2 mm	4 mm	8 mm
long distance unshielded		4 mm	4 mm	8 mm	12 mm
standard housing		•	•	•	•
short housing		•	•	•	—
miniaturized housing		—	—	—	—
supply voltage	Vdc	•	•	•	•
	Vac	—	—	—	—
output type	NPN - NO	•	•	•	•
	NPN - NC	•	•	•	•
	PNP - NO	•	•	•	•
	PNP - NC	•	•	•	•
	PNP - NO / NC	—	—	—	—
	NPN - NO + NC	—	—	—	—
	DECOUT®	—	—	—	—
	SCR	—	—	—	—
	0...10 V	—	—	—	—
4...20 mA	—	—	—	—	
temperature range		-25°C...+70°C	-25°C...+70°C	-25°C...+70°C	-25°C...+70°C
protection degree		IP67	IP67	IP67	IP67
housing material		stainless steel	nickel plated brass	nickel plated brass	nickel plated brass
active head material		PBT	PBT	PBT	PBT
output	cable	•	•	•	•
	M8 plug	•	•	•	—
	M12 plug	•	•	•	•
ATEX		II3GD	II3GD	II3GD	II3GD
other certifications					







DECOUT® NPN/PNP - NO/NC

AT	PM3	PK3
		
M30	M12	M18
10 mm	2 mm	5 mm
15 mm	4 mm	8 mm
15 mm	—	—
20 mm	—	—
•	•	•
—	—	—
—	—	—
•	•	•
—	—	—
•	•	•
•	•	•
•	•	•
•	•	•
•	•	•
—	•	—
—	•	•
—	—	—
—	—	—
—	—	—
-25°C...+70°C	-25°C...+70°C	-25°C...+70°C
IP67	IP67	IP67
nickel plated brass	nickel plated brass	nickel plated brass
PBT	PBT	PBT
•	•	•
—	•	—
•	•	•
II3GD	II3GD	II3GD
		









Inductive Sensors

IP68




		PMS	PMW	PKS	PKW
					
dimensions		M12	M12	M18	M18
standard shielded		2 mm	2 mm	5 mm	5 mm
standard unshielded		4 mm	4 mm	8 mm	8 mm
long distance shielded		—	—	—	—
long distance unshielded		—	—	—	—
standard housing		●	●	●	●
short housing		—	—	—	—
miniaturized housing		—	—	—	—
supply voltage	Vdc	●	●	●	●
	Vac	—	—	—	—
output type	NPN - NO	—	—	—	—
	NPN - NC	—	—	—	—
	PNP - NO	—	—	—	—
	PNP - NC	—	—	—	—
	PNP - NO / NC	●	—	●	●
	NPN - NO + NC	●	—	●	●
	DECOUT®	—	—	—	—
	SCR	—	—	—	—
0...10 V		—	—	—	—
4...20 mA		—	—	—	—
temperature range		-25°C...+70°C	-25°C...+70°C	-25°C...+70°C	-25°C...+70°C
protection degree		IP67/IP68	IP67/IP68	IP67/IP68	IP67/IP68
housing material		nickel plated brass	stainless steel	nickel plated brass	stainless steel
active head material		PPS	PPS	PSU	PSU
output	cable	—	—	—	—
	M8 plug	—	—	—	—
	M12 plug	●	●	●	●
ATEX		II3GD	II3GD	II3GD	II3GD
other certifications		CE	CE	CE	CE

Inductive Sensors

IP69K




		PFM	PFK	PFM-26	PFK-26
					
dimensions		M12	M18	M12	M18
standard shielded		2 mm	5 mm	2 mm	5 mm
standard unshielded		4 mm	8 mm	4 mm	8 mm
long distance shielded		4 mm	8 mm	—	—
long distance unshielded		8 mm	12 mm	—	—
standard housing		●	●	●	●
short housing		—	—	—	—
miniaturized housing		—	—	—	—
supply voltage	Vdc	●	●	●	●
	Vac	—	—	—	—
output type	NPN - NO	●	●	●	—
	NPN - NC	—	—	—	—
	PNP - NO	●	●	●	—
	PNP - NC	—	—	—	—
	PNP - NO / NC	●	●	●	●
	NPN - NO + NC	●	●	●	●
	DECOU [®]	—	—	—	—
	SCR	—	—	—	—
	0...10 V	—	—	—	—
4...20 mA	—	—	—	—	
temperature range		-40°C...+80°C	-40°C...+80°C	-25°C...+110°C	-25°C...+110°C
protection degree		IP68/IP69K	IP68/IP69K	IP68/IP69K	IP68/IP69K
housing material		stainless steel AISI316L	stainless steel AISI316L	stainless steel AISI316L	stainless steel AISI316L
active head material		PPS	PPS	PPS	PPS
output	cable	—	—	—	—
	M8 plug	—	—	—	—
	M12 plug	●	●	●	●
ATEX		II3GD	II3GD	—	—
other certifications					



	Cubic	High temperature	
	IL	ETM	ETK
			
	10x16x28 mm	M12	M18
	—	2 mm	5 mm
	—	4 mm	8 mm
	3 mm	—	—
	6 mm	—	—
	•	•	•
	—	—	—
	—	—	—
	•	•	•
	—	—	—
	•	—	—
	•	—	—
	•	—	—
	•	—	—
	—	•	•
	—	•	•
	—	—	—
	—	—	—
	—	—	—
	-25°C...+70°C	-25°C...+110°C	-25°C...+110°C
	IP67	IP68	IP68
	PA	stainless steel	stainless steel
	PA	PSS	PSU
	•	—	—
	•	—	—
	—	•	•
	—	—	—
	CE	CE	CE

Inductive Sensors

Analogue

		AE_D	AM_D	AK_D
				
dimensions		M8	M12	M18
standard shielded		—	—	—
standard unshielded		—	—	—
long distance shielded		quasi embeddable 4 mm	quasi embeddable 6 mm	quasi embeddable 10 mm
long distance unshielded		—	—	—
standard housing		●	●	—
short housing		—	—	●
miniaturized housing		—	—	—
supply voltage	Vdc	●	●	●
	Vac	—	—	—
output type	NPN - NO	—	—	—
	NPN - NC	—	—	—
	PNP - NO	—	—	—
	PNP - NC	—	—	—
	PNP - NO / NC	—	—	—
	NPN - NO + NC	—	—	—
	DECOUT®	—	—	—
	SCR	—	—	—
	0...10 V	●	●	●
4...20 mA	—	●	●	
temperature range		-25°C...+70°C	-25°C...+70°C	-25°C...+70°C
protection degree		IP67	IP67	IP67
housing material		plated brass	plated brass	plated brass
active head material		PBT	PBT	PBT
output	cable	●	●	●
	M8 plug	●	—	—
	M12 plug	—	●	●
ATEX		—	—	—
other certifications		CE	CE	CE