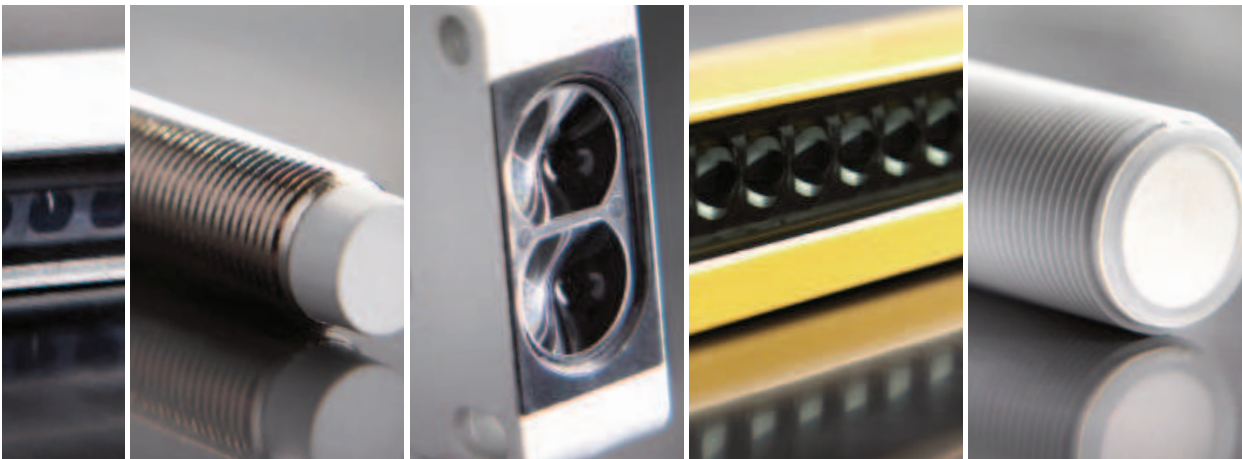




Micro Detectors

Italian Sensors Technology

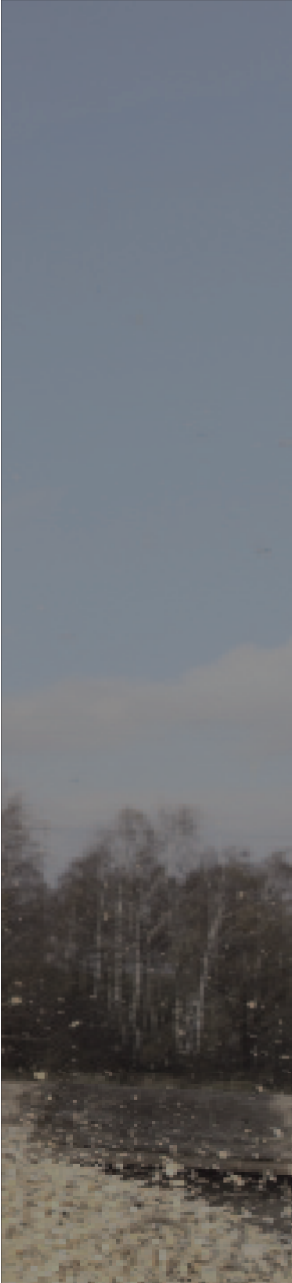


short form
Catalogue











Ultrasonic Sensors

- M18 with Teach-in button
- M18 short housing
- M18 standard
- M18 with remote Teach-in
- M30
- Cubic



Ultrasonic Sensors

M18 with Teach-in button

		UK1A	UK1C	UK1D	UK1F			
		 <p>New series cULus & ATEX New series NPN and cable</p>	 <p>New series cULus & ATEX New series NPN and cable</p>	 <p>New series cULus & ATEX New series NPN and cable</p>	 <p>New series cULus & ATEX New series NPN and cable</p>			
dimensions		M18	M18	M18	M18			
direct diffuse		50...400 mm	100...900 mm	150...1.600 mm	200...2.200 mm			
retroreflective		—	—	—	—			
through beam		—	—	—	—			
supply voltage	Vdc	●	●	●	●			
	Vac	—	—	—	—			
output type	PNP - NO and NC	—	—	—	—			
	NPN - NO and NC	—	—	—	—			
	2 x PNP hysteresis function	Teach-in button	Teach-in button	Teach-in button	Teach-in button			
	2 x NPN hysteresis function	Teach-in button	Teach-in button	Teach-in button	Teach-in button			
	PNP - NO / NC NPN - NO / NC	Teach-in button	Teach-in button	Teach-in button	Teach-in button			
	0...10 V	Teach-in button	Teach-in button	Teach-in button	Teach-in button			
	4...20 mA	Teach-in button	Teach-in button	Teach-in button	Teach-in button			
	2 x PNP - NO / NC 2 x NPN - NO / NC	Teach-in button	Teach-in button	Teach-in button	Teach-in button			
	1 x PNP - NO / NC + 1x 0...10 V 1 x NPN - NO / NC + 1x 0...10 V	Teach-in button	Teach-in button	Teach-in button	Teach-in button			
	1 x PNP - NO / NC + 4...20 mA 1 x NPN - NO / NC + 4...20 mA	Teach-in button	Teach-in button	Teach-in button	Teach-in button			
temperature range	-10°C...+60°C	-10°C...+60°C	-20°C...+70°C (-20°C...+60°C cULus models)	-20°C...+70°C (-20°C...+60°C cULus models)				
protection degree	IP67	IP67	IP67	IP67				
housing material	PBT	PBT	PBT	PBT				
front-end material	epoxy glass resin	epoxy glass resin	epoxy glass resin	epoxy glass resin				
output	cable	●	●	●	●			
	M12 plug	●	●	●	●			
	M12 pig-tail	—	—	—	—			
ATEX	II3GD (only PNP and connector exit)		II3GD (only PNP and connector exit)	II3GD (only PNP and connector exit)	II3GD (only PNP and connector exit)			
other certifications								



M18 short housing

UK6B

New serie
ATEX



UK6C

New serie
ATEX



M18 - short housing

M18 - short housing

100...300 mm

150...900 mm

—

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—

Teach-in cable
(PNP - NO / NC only)

Teach-in cable
(PNP - NO / NC only)

—

—

—

—

—

—

-10°C...+60°C

-10°C...+60°C

IP67

IP67

PBT

PBT

epoxy glass resin

epoxy glass resin

—

—

•

•

—

—









II3GD

II3GD

CE





CE

M18 standard









		SU0	SU1	SU2	SU3
					
dimensions		M18	M18	M18	M18
direct diffuse		60...300 mm	100...600 mm	200...1,500 mm	—
retroreflective		—	—	—	400...1,500 mm
through beam		—	—	—	—
supply voltage	Vdc	●	●	●	●
	Vac	—	—	—	—
output type	PNP - NO	Trimmer	Trimmer	Trimmer	Trimmer
	PNP - NC	—	—	—	—
	NPN - NO	—	—	—	—
	NPN - NC	—	—	—	—
	PNP - NO / NC	—	—	—	—
	0...10 V	no reg.	no reg.	no reg.	—
	4...20 mA	no reg.	no reg.	no reg.	—
	2 x PNP - NO / NC	—	—	—	—
1 x PNP - NO / NC + 1 x 0...10 V	—	—	—	—	
1 x PNP - NO / NC + 4...20 mA	—	—	—	—	
temperature range		-15°C...+70°C	-15°C...+70°C	-15°C...+70°C	-15°C...+70°C
protection degree		IP67	IP67	IP67	IP67
housing material		PBT	PBT	BTP	PBT
front-end material		ceramic	ceramic	ceramic	ceramic
output	cable	●	●	●	—
	M12 plug	—	●	●	—
	M12 pig-tail	●	●	●	●
ATEX		—	—	—	—
other certifications					



M18 with remote Teach-in




SUA	SUB	SUC	SUD
			
M18	M18	M18	M18
30...400 mm	60...500 mm	100...800 mm	200...2,000 mm
—	—	—	—
—	—	—	—
•	•	•	•
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
Teach-in cable	Teach-in cable	Teach-in cable	Teach-in cable
Teach-in cable	Teach-in cable	Teach-in cable	Teach-in cable
Teach-in cable	Teach-in cable	Teach-in cable	Teach-in cable
—	—	—	—
—	—	—	—
-20°C...+70°C	-20°C...+70°C	-20°C...+70°C	-20°C...+70°C
IP67	IP67	IP67	IP67
PBT	PBT	PBT	PBT
ceramic	ceramic	ceramic	ceramic
—	—	—	—
5 wires	5 wires	5 wires	5 wires
—	—	—	—
—	—	—	—
CE	CE	CE	CE

M30

		TU1	TU2	TU3	TU3_D
					
dimensions		M30	M30	M30	M30
direct diffuse		300...2,500 mm	250...2,000 mm	350...3,500 mm	350...3,500 mm
retroreflective		—	—	—	—
through beam		—	—	—	—
supply voltage	Vdc	●	●	●	●
	Vac	—	—	—	—
output type	PNP - NO	Trimmer	—	—	—
	PNP - NC	—	—	—	—
	NPN - NO	—	—	—	—
	NPN - NC	—	—	—	—
	PNP - NO / NC	—	—	—	—
	0...10 V	no reg.	—	—	Teach-in cable
	4...20 mA	no reg.	—	—	Teach-in cable
	2 x PNP - NO / NC	—	—	—	Teach-in cable
1 x PNP - NO / NC + 1x 0...10 V	—	—	Teach-in button	Teach-in button	—
	—	—	Teach-in button	Teach-in button	—
temperature range		-15°C...+70°C	-15°C...+70°C	-15°C...+70°C	-20°C...+70°C
protection degree		IP67	IP67	IP67	IP67
housing material		PBT	PBT	PBT	PBT
front-end material		ceramic	ceramic	ceramic	ceramic
output	cable	—	—	—	—
	M12 plug	●	●	●	5 wires
	M12 pig-tail	—	—	—	—
ATEX		—	—	—	—
other certifications					



Cubic

UHZ	UHS	QU6
		
30x20x15 mm	24x50x15 mm	80x67x50 mm
—	—	600...6,000 mm
—	—	—
0...300 mm	0...1,100 mm	—
•	•	•
—	—	—
no reg.	no reg.	—
no reg.	no reg.	—
no reg.	no reg.	—
no reg.	no reg.	—
—	—	—
—	—	Teach-in cable
—	—	Teach-in cable
—	—	—
—	—	—
—	—	—
-15°C...+60°C	-15°C...+60°C	-20°C...+70°C
IP67	IP67	IP65
PBT	PBT	PBT
ceramic	ceramic	ceramic
•	•	—
—	—	—
—	—	5 wires
—	—	—
CE	CE	CE