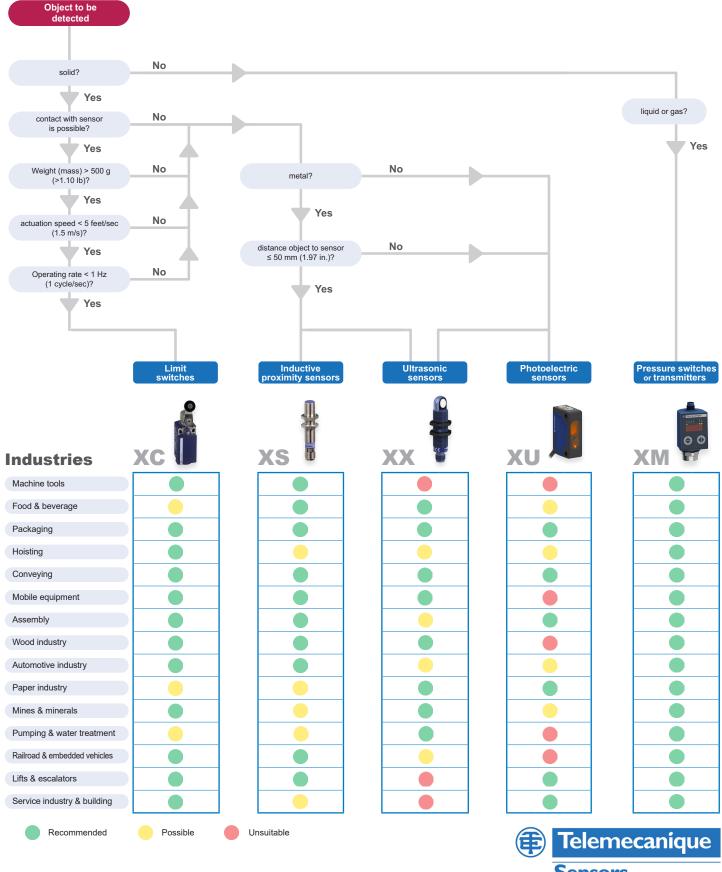
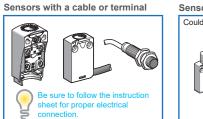
Telemecanique Sensors Choose the right sensing solution

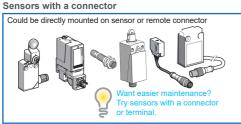


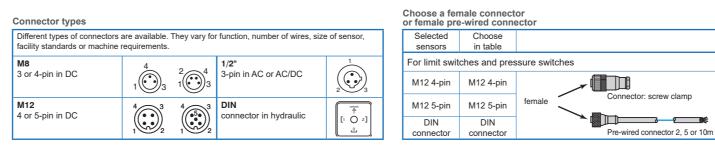
Sensors



Electrical connections







	XM Press	sure switches and transmit		·
paque, shiny pallet), uppression.	Edenscanique A & S & S & S & S & S & S & S & S &	Detection of fluids in contact with some corrosive fluids from -14.5 Discrete or analog output used to or vacuum thresholds in a hydrau	to 8,700 PSI (-1 control or mon	to 600 bar) itor pressure
KUM sensors		Not suitable for detecting solid of	ojects	
	1 - Choos	e the family		
	Choos	e the fluid, pressure range a	and fluid tem	perature
cy of I with access		appropriate to the application.		
sing distance		If response time is not critical, con Electromechanical press		
		with contacts		
(71 .23) Thru beam		If response time is critical or you n pressure, consider		
93) Reflex 89) Diffuse	K	Electronic pressure sens state or analog output	or with solid-	
	2 - choos	e the output type		
)		according to the load compatibility		
-240V		Contact C/0, DC3-wire, PNP, NPN or 4-wire	, DC NO or NC	analog, or 3
24240 V + 				
	3 - Choos	e the electrical connection		
nents… s (XUX)		M12 connector, Packard Metri-Pac terminals with a tapped cable entry		or screw clam
(-)			,	
	4 - Choos	e the fluid connection	nachine require	ments
	4 - Choos	e the fluid connection according to facility standards or n 1/4" NPT female, G 1/4 BSP fema		nents
nultimode	4 - Choos	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no		nents
nultimode	4 - Choos	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema	le	nents
nultimode		according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints	le	nents
	4 - Choos	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential	le	nents
		according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential	le	nents
Q	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar)	XMLA/B	nents
Q	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time	XMLA/B	nents
Dr multimode	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential	XMLA/B	nents
or multimode	РН	according to facility standards or m 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous	XMLA/B	nents
or multimode	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous pressure variation with adjustment	XMLA/B	nents
or multimode	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous pressure variation with	XMLA/B	nents
nultimode	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous pressure variation with adjustment -14.5 to 8,700 PSI (-1 to 600 bar)	XMLA/B XMLR ZMLP	nents
or multimode	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous pressure variation with adjustment -14.5 to 8,700 PSI (-1 to 600 bar)	XMLA/B	nents
r multimode	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous pressure variation with adjustment -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous	XMLA/B XMLA/B XMLR ZMLP XMLQ	nents
or multimode	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous pressure variation with adjustment -14.5 to 8,700 PSI (-1 to 600 bar)	XMLA/B XMLA/B XMLR ZMLP XMLG -14.5 to 8,700 PSI	nents
reflective or flector	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous pressure variation with adjustment -14.5 to 8,700 PSI (-1 to 600 bar)	XMLA/B XMLA/B XMLR ZMLP XMLG -14.5 to 8,700 PSI (-1 to 600 bar) XMLK	nents
r multimode	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous pressure variation with adjustment -14.5 to 8,700 PSI (-1 to 600 bar)	XMLA/B XMLA/B XMLR ZMLP XMLG -14.5 to 8,700 PSI (-1 to 600 bar) XMLK 0 to 300 PSI	nents
r multimode	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous pressure variation with adjustment -14.5 to 8,700 PSI (-1 to 600 bar)	XMLA/B XMLA/B XMLR ZMLP XMLG -14.5 to 8,700 PSI (-1 to 600 bar) XMLK 0 to	nents
reflective or flector mode	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous pressure variation with adjustment -14.5 to 8,700 PSI (-1 to 600 bar)	XMLA/B XMLA/B XMLR ZMLP XMLC -14.5 to 8,700 PSI (-1 to 600 bar) XMLK 0 to 300 PSI (0 to 25 bar)	nents
reflective or flector mode	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous pressure variation with adjustment -14.5 to 8,700 PSI (-1 to 600 bar)	XMLA/B XMLA/B XMLR ZMLP XMLG -14.5 to 8,700 PSI (-1 to 600 bar) XMLK 0 to 300 PSI (0 to 25 bar) XMLP 0 to	nents
r multimode	РН	according to facility standards or n 1/4" NPT female, G 1/4 BSP fema Detection of thresholds with no response time constraints Fixed or adjustable differential -14.5 to 7,250 PSI (-1 to 500 bar) Detection of thresholds requiring quick response time Adjustable differential -14.5 to 8,700 PSI (-1 to 600 bar) Transmission of continuous pressure variation with adjustment -14.5 to 8,700 PSI (-1 to 600 bar)	XMLA/B XMLA/B XMLR ZMLP XMLG -14.5 to 8,700 PSI (-1 to 600 bar) XMLK 0 to 300 PSI (0 to 25 bar) XMLP	nents

For inductive sensors

Selected sensor	Choose in the table
XSM8	M8 3-pin
XSM12	M12 4-pin
XSU20	1/2" 3-pin

For photoelectric sensors For ultrasonic sensors

Selected	Choose
sensor	in the table
XUM8	M8 4-pin
XUM12	M12 4-pin
XURM8	M8 3-pin

Selected	Choose
sensor	in the table
XXM8	M8 3-pin
XXM8	M8 4-pin
XX 4-pin	M12 4-pin

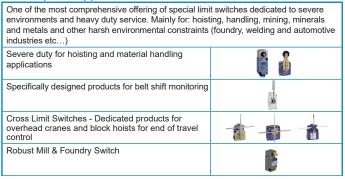


Be sure to follow the instruction sheet for proper electrical connection.

Applications

For more complex sensing needs, refer to **www.tesensors.com** or the Telemecanique Sensors Essentials Catalog for information relative to the sensors described below.

XC for special applications



Safety detection

One of the most comprehensive offerings of industrial safety switches on the market, complemented by a range of safety light curtains and safety mats for dangerous machines in industrials segments. Example: packaging, handling, robotics, machines tools, presses, automotive market.	
Detection of gates or cover openings	
Guard switches with mechanical actuator	
Rotary lever and spindle-operated guard switches for hinge guards	
Coded magnetic guard switches	🚯 -M 🛛 関
Safety RFID switches	.
Detection of operators in free access zone	
Safety light curtains	

XS for special applications

One of the most comprehensive offerings of inductive sensors for general purpose as well as assembly machines, robotics, machine-tools, machining, packaging, materials handling, conveying and food and beverage industry.		
Rotation control, ferrous/non-ferrous detection	🕴 🔥	
Plastic case sensors for double insulation and chemical environment compliance	† ⋕ ⋕	
Miniature cylindrical format plain, smooth barrel 4 mm and 6.5 mm or M5 for assembly applications		
Stainless steel and plastic housings for dedicated food & beverage applications	₩ _₩ Ų _₩	
Capacitive sensors XT range for detection of insulating or conductive materials		

The information and dimensions in this catalog are provided for the convenience of our customers. While this information is believed to be accurate, Schneider Electric reserves the right to make updates and changes without prior notification and assumes no liability for any errors or ommissions.

XU for special applications

A dedicated offering of application specific products for packaging, handling, assembly, conveying, food & beverage, complete the general purpose offer.	
Detection of transparent materials	No.
Mark readers, luminescence sensors, color sensors	
Label detection	
Laser technology sensors	The second

XG RFID inductive identification system

With OsiSense XG, discover a complete RFID system comprised of 13.56 MHz smart antennas, electronic tags and network connection accessories. OsiSense XG simplifies access to tag data with automatic adaptation to the protocol and speed of the network used (Ethernet IP, Modbus TCP/IP, Modbus RTU, Uni-Telway and Profibus DP). With a broad line of RFID tags and accessories, OsiSense XG is the ideal choice for manufacturing track, trace and control applications.

Compact stations with integrated controller and antenna, now with integrated Ethernet IP and Modbus TCP/IP.	
13.56 MHz electronic tags	e 🔽 🔲 🔽
Portable RFID terminal and network connection boxes	

Cabling Accessories

High-performance, quick and easy connectors to all our sensors are available in our XZ range. Reference identification and the connection processes are user friendly.	
Pre-wired connectors	
Jumper cables	
Connectors	6 .

For our complete selection of sensor solutions, visit www.tesensors.com

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www.tesensors.com

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