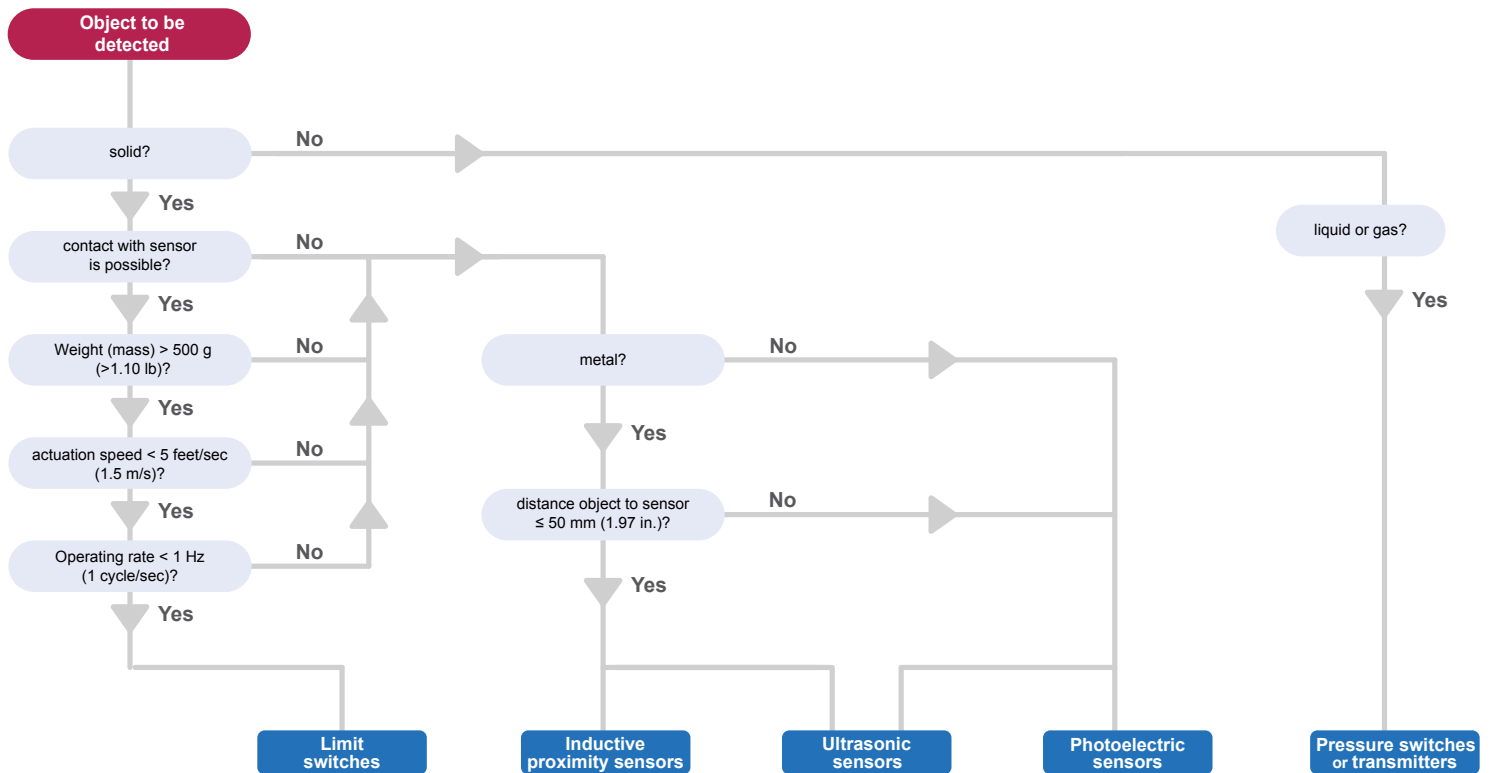







OsiSense[®] Sensors

Choose the right sensing solution



Industries





	XC 	XS 	XX 	XU 	XM 
Machine tools	●	●	●	●	●
Food & beverage	●	●	●	●	●
Packaging	●	●	●	●	●
Hoisting	●	●	●	●	●
Conveying	●	●	●	●	●
Assembly	●	●	●	●	●
Wood industry	●	●	●	●	●
Automotive industry	●	●	●	●	●
Paper industry	●	●	●	●	●
Mines & minerals	●	●	●	●	●
Pumping & water treatment	●	●	●	●	●
Railroad & embedded vehicles	●	●	●	●	●
Lifts & escalators	●	●	●	●	●
Service industry & building	●	●	●	●	●

● Recommended ● Possible ● Unsuitable





Applications

For more complex sensing needs, refer to www.tesensors.com, the Sensors Quick Look Catalog or the Sensors General Catalog for information relative to the sensors described below.





XC for special applications

One of the most comprehensive offering of special limit switches dedicated to severe environments and heavy duty service. Mainly for: hoisting, handling, mining, minerals and metals and other harsh environmental constraints (foundry, welding and automotive industries etc...)	
Severe duty for hoisting and material handling applications	
Specifically designed products for belt shift monitoring	
Cross Limit Switches - Dedicated products for overhead cranes and block hoists for end of travel control	
Robust Mill & Foundry Switch	




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	
Mark readers, luminescence sensors, color sensors	
Label detection	
Laser technology sensors	






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	
Detection of operators in free access zone	
Safety light curtains	




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, ModbusTCP/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	
Portable RFID terminal and network connection boxes	

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	
Capacitive sensors XT range for detection of insulating or conductive materials	

Interfaces and I/Os

Simplify machine architectures by connecting the sensors and actuators distributed throughout your machines via fieldbus or AS-Interface.	
IP67 distributed I/O, optimized block Interface modules, plastic enclosure	
IP67 distributed I/O, modular system interface modules	
Advantys™ AS- Interface IP20 and IP67 cabling system	

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 omissions.

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NOTE: Sensors described in this catalog with the exception of the safety detection products are designed to be used for standard industrial presence sensing applications.