

XUK

XUM



## XUK color sensors

Best fit &  
color mode

- Compact
- Robust
- Easy settings



**Color sensor - A masterpiece in capturing nature's every hue**

## Introducing XUK & XUM color sensors

**The ultimate solution for your color detection needs and to minimize installation space**

### Revolutionizing packaging applications with color mode and best fit mode

In an era where packaging aesthetics are paramount, the color sensor introduces two groundbreaking modes

#### Color mode:

Cosmetics companies that emphasize color uniformity in their packaging can leverage this mode to **scan and inspect** the precise shades of product packaging. This meticulous **inspection** ensures that every product adheres to the desired color standards, contributing to a cohesive and visually appealing product lineup.



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#### Best fit mode:

E-commerce warehouses dealing with a diverse range of products can leverage this mode to **quickly sort** items without the need for manual intervention. This results in a more efficient and automated warehouse operation, **reducing the time** and resources required for sorting.

**Save time and money** with quick and seamless integration into existing applications, thanks to the miniature housing.

Enjoy an **extended sensing distance** ranging from 18 mm up to 150 mm. Achieve accurate and uniform detection across the entire object by **scanning multiple points**, using both static and dynamic teach-in methods.



XUM



Benefit from **intelligent diagnostics**, visualization and quick job format.

**Easy change, and remote configuration**, all made possible by the integrated IO-Link functions.

Experience improved detection, higher sensing distance tolerances, and uniform RGB detection.

Enjoy a better user experience and enhanced ease of use with the intuitive teach-in method.

Take your operations to the next level with miniature and compact format color sensors - precision, reliability, and efficiency combined!

tesensors.com

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**Telemecanique**  
Sensors

# XUK & XUM color sensor are the solution for small spaces, allowing to minimize costs!



## Benefits


- Achieve accurate and uniform detection across the entire object by scanning multiple points, using both static and dynamic teach-in methods.
- Benefit from intelligent diagnostics, visualization, quick job format change, and remote configuration, all made possible by the integrated IO-Link functions.
- Save time and money with quick and seamless integration into existing applications, thanks to the miniature housing.

## Features

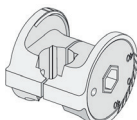
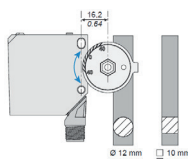

- Stable color detection, regardless of distance
- Determine the colour of the target object
- Detect objects with different shapes and surface characteristics
- Different sensing distance from 18 to 150 mm
- Possibility to choose between IO-Link or standard mode
- IP67, IP69K and ECOLAB
- Compact format with metal body material
- Response time from 50 to 180 µs
- Switching frequencies between 3 Hz to 3 KHz




## Color sensors – White light

	Nominal sensing distance	Switching frequency	Degree of protection	Connector type	Part number IO-Link
	60 mm	3 kHz	IP67 / IP69K	M12 connector	XUKCBSAYM12
	150 mm	3 kHz	IP67 / IP69K	M12 connector	XUKCBLAYM12

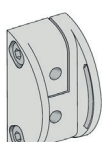
			M12, 5 pins		
			Cable length	Jumper M12-M12	5 wires
			2 m	XZCRB151151C2	XZCPB1151L2
			5 m	XZCRB151151C5	XZCPB1151L5

## Color sensors – RGB light

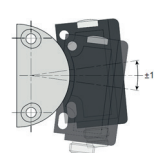


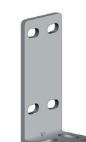
Nominal sensing distance	Switching frequency	Degree of protection	Connector type	Part number IO-Link
12 mm	2.5 kHz	IP67 / IP69K	M8 connector	XUMRACAYM8

XUZARM






XUZA50





±15°

M8, 4 pins				
Cable length	Jumper M8-M8	Jumper M8-M12	4 wires	
2 m	XZCR2710037S1	XZCR1509041J1	XZCP0941L2	
5 m	XZCR2710037S2	XZCR1509041J2	XZCP0941L5	

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