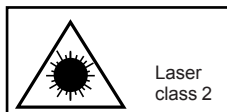


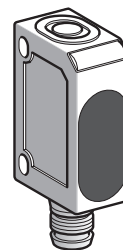
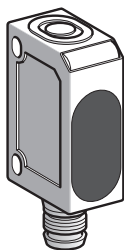
Photo-electric sensors

OsiSense XU Application, assembly series
Miniature design
with laser transmission and teach mode
Three-wire DC, solid-state output

Miniature design



Laser class 2, conforming to IEC 825-1.
Visible laser radiation: do not stare into beam.



System	Polarised reflex	Diffuse with background suppression		Colour mark reader
Type of transmission	Red laser, pulsed, Class 2, wavelength: 655 nm			
Nominal sensing distance (Sn)	100...1000 mm (1)	20...60 mm	30...110 mm	40...150 mm

References

4-wire, PNP output	NO/NC function, selectable	XUYBCO929LSP	XUYPSCO929L1SP	XUYPSCO929L2SP	XUYPCCO929LSP
Weight (kg)		0.056	0.056	0.056	0.056

Characteristics

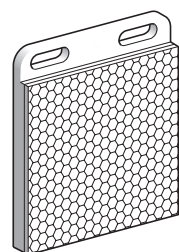
Product certifications		CE		
Ambient air temperature	For operation	- 20... + 60 °C		
	For storage	- 20... + 80 °C		
Degree of protection	Conforming to IEC 60529	IP 67		
Connection		M8, 4-pin male connector		
Vibration resistance	Conforming to IEC 60068-2-6	7 gn, amplitude ± 1.5 mm (f = 10 to 55 Hz)		
Shock resistance	Conforming to IEC 60068-2-27	30 gn, duration 11 ms		
Materials	Case	ABS		
Rated supply voltage		--- 12...24 V with protection against reverse polarity		
Voltage limits (including ripple)		--- 10...30 V		
Immunity to ambient light		5000 lux		
Laser transmission		T pulse: 3 µs, pulse frequency: 5 kHz		
Spot diameter		< 0.7 mm	< 0.3 ... 40 mm	< 0.7 mm
Switching capacity		100 mA with overload and short-circuit protection		
Voltage drop, closed state		< 2.4 V		
Current consumption, no-load		25 mA	30 mA	25 mA
Maximum switching frequency		1000 Hz		
Indicator lights	Supply on/Dirty	Green LED		
	Output signal	Yellow LED		
Adjustment		Using teach mode button or remote teaching (external input)		

(1) With 50 x 50 mm reflector, reference XUY1111.

■ Applications

- Monitoring of small parts on production machines
- Setting-up of sensors

Accessories



XUY1111

Description	Details	Length of cable	References	Weight
				kg
Pre-wired M8 connector	Straight	2	XZCP0941L2	0.080
	Elbowed (90°)	2	XZCP1041L2	0.080
	Straight	5	XZCP0941L5	0.180
	Elbowed (90°)	5	XZCP1041L5	0.180
Reflector for XUYBCO929LSP	50 x 50 mm	–	XUY1111	0.018
Fixing bracket			XUY929	0.013
Protection bracket	Vertical rear fixing		XUY9291	0.070
	Lower side fixing		XUY9292	0.061