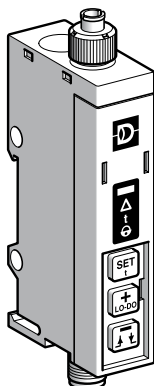


Photo-electric sensors

OsiSense XU Application, packaging series
Detection of illumination using plastic fibre optic
and teach mode
Four-wire DC. Solid-state output

Fibre design



Nominal sensing distance (Sn) | Depending on fibre optic used

References

4-wire, PNP/NPN output | NO/NC programmable function | XUYAFLC0966S

Weight (kg) | 0.054

Characteristics

Product certifications		CE
Ambient air temperature	For operation	0...+60 °C
	For storage	-20...+80 °C
Degree of protection	Conforming to IEC 60529	IP 65
Connection		M8, 4-pin male connector
Materials	Case	Polycarbonate
Rated supply voltage		12...24 V with protection against reverse polarity
Voltage limits (including ripple)		10...30 V
Switching capacity		100 mA with overload and short-circuit protection
Voltage drop, closed state		2 V
Current consumption, no-load		< 40 mA
Maximum switching frequency		< 5 Hz
External input	Active	< 1.4 V
	Inactive	> 3 V
Delays	Response and recovery	< 100 ms
Output time delay	Range	0...5 s in 11 adjustment increments
	Duration of each increment	First increment 40 ms then 500 ms for each press
Indicator lights	Output signal	Green LED
	Limit of detection	Red LED
	Time delay active	Red LED
Sensitivity adjustment		Using teach (fine mode or standard mode) Adjustment possible using +/- button Remote teaching using external input (fine mode)

Applications

- Verifying operation of indicator lights on electrical appliances
- Testing car headlights on production line

Accessories

Description	Details	Length of cable	References	Weight
		m		kg
Plastic fibre optic (1)	Ø 2.2 mm	1	XUYA005	0.007
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

(1) End fitting, see page 148.