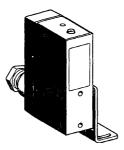
Accessories pages 2/118 to 2/123 References, characteristics

Compact design



System	Diffuse
Type of transmission	Infra-red
Nominal sensing distance (Sn)	2080 cm

References

3-wire, PNP	XUJ-K803538
Weight (kg)	0.200

Characteristics

Product certifications	CE. CSA, UL
Ambient air temperature	Operation: - 25+ 60 °C. Storage: - 40+ 80 °C
Vibration resistance	7 gn, amplitude ± 1.5 mm (f = 1055 Hz), conforming to IEC 68-2-6
Shock resistance	20 gn, duration 11 ms, conforming to IEC 68-2-27
Degree of protection	IP 67 conforming to IEC 529 and IP 671 conforming to NF C 20-010
Connection	Screw terminals, capacity: 2 x 1.5 mm² or 1 x 2.5 mm²
Materials	Case : PEI (2)
Rated supply voltage	= 24 V
Voltage limits	== 2030 V (including ripple)
Output current maximum	20mC (9m/c) 281/32
Minimum Output voltage (Vs)	
Output voltage drift in relation to temperature	< 10 % between - 25 and + 60 °C
Output voltage drift in relation to object colour	< 10 %
Current consumption, no-load	≤ 35 mA
Maximum switching frequency	10 Hz (for an output voltage variation of 1 V)
Delays	First-up : ≤ 150 ms
Indicator light	The luminosity of the LED is proportional to the output voltage

⁽¹⁾ Applications: position control, monitoring of concentricity or eccentricity, closed loop regulation, monitoring of displacement, etc.

(2) PEI: high quality synthetic resin providing excellent withstand to shocks, vibration and the effects of external agents frequently encountered in industry: alcohol, salts, petroleum, oils, grease, washing agents (diluted sodium carbonate 4%, nitric acid 2%), formaldehyde vapour, splashing lactic acid, etc.

80

Photo-electric detectors

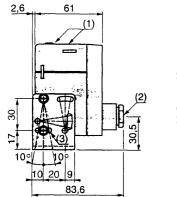
Osiris® specific application detectors, mechanical handling series With analogue output signal (1) d.c. supply. Solid state output

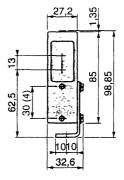
Accessories pages 2/118 to 2/123 Curves, dimensions, schemes

Output signal (related to distance of object) Test performed with 20 x 20 cm, white 90 % object Output current Output voltage D (cm) D (cm)

Adjustment not recommended in this zone

Dimensions





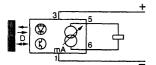
(2) nº 11 plastic cable gland

(3) 1 elongated hole Ø 4.2 x 14

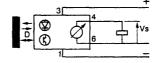
(4) Front fixing (Ø 4 screws and inserts supplied)

Wiring schemes (3-wire ==)

Diffuse system Output current



Output voltage



Load characteristics

- Output current: the output current varies between 4 and 20 mA depending on the distance of the object and therefore, the load must be less than 1 kΩ.
- Output voltage: since the minimum rated output current of the detector is 10 mA, the load must always have a resistive value of more than 1 kΩ.

Terminal connections

1 🕢 — (—)

2Ø 3Ø-(+)

4 Ø − Output voltage

5 Ø - Output current

6 0 - (-)

Terminals 1 and 6 connected internally.