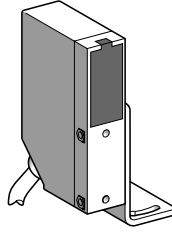


Photo-electric sensors

Osiris® Application, tertiary sector series
For flow control
a.c. or d.c. supply. 1 "C/O" relay output

Compact design



System	Reflex
Type of transmission	Infrared
Nominal sensing distance (Sn)	6 m (with 50 x 50 mm reflector)

References

5-wire	Light switching	XUL M06031H60 (supplied as kit, comprising : sensor, fixing bracket, 50 x 50 mm reflector and mounting instructions)
Weight (kg)		0.300

Characteristics

Product certifications	CE
Ambient air temperature	Operation : - 25...+ 55 °C. Storage: - 40...+ 70 °C
Vibration resistance	7 gn, amplitude ± 2 mm (f = 10...55 Hz), conforming to IEC 60068-2-6
Shock resistance	20 gn, duration 11 ms, conforming to IEC 60068-2-27
Degree of protection	IP 67 conforming to IEC 529 and IP 671 conforming to NF C 20-010
Connection	Pre-cabled, diameter 6 mm, length 2 m, wire c.s.a. : 5 x 0.34 mm ²
Materials	Case : ABS ; lens : PMMA ; cable : PVC
Rated supply voltage	~ or ≡ 24...240 V
Voltage limits	~ or ≡ 20...264 V
Switching capacity	2000 mA (cos φ = 1), 500 mA (cos φ = 0.4) for a contact life of 0.5 million operating cycles at an operating rate of 1 operating cycle per second, at 250 V
Maximum voltage on output relay contacts	~ 250 V
Current consumption, no-load	≤ 40 mA (1)
Maximum switching frequency	20 Hz
Delays	First-up : ≤ 60 ms ; response : ≤ 25 ms ; recovery : ≤ 25 ms

Function table	Function	Reflex system	
		No object present in the beam	Object present in the beam
Output state of relay contact indicator (illuminated when relay energised)	Light switching	 Relay energised	 Relay de-energised

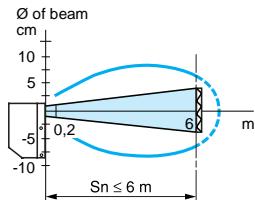
(1) No-load current consumption at ~ 220 V : ≤ 25 mA.

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Detection curve

Reflex system ~ or ---



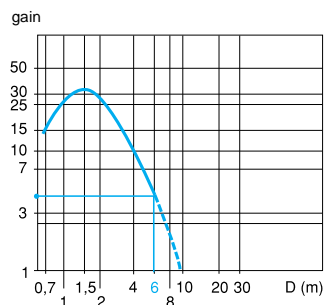
Contents of kit XUL M06031H60 :

- reflex system photo-electric sensor,
- fixing bracket,
- 50 x 50 mm reflector,
- mounting instructions.



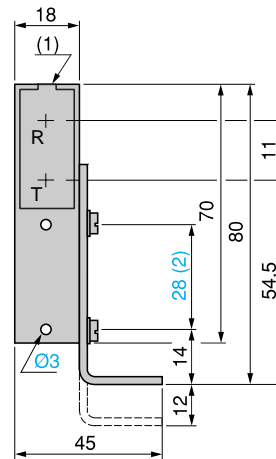
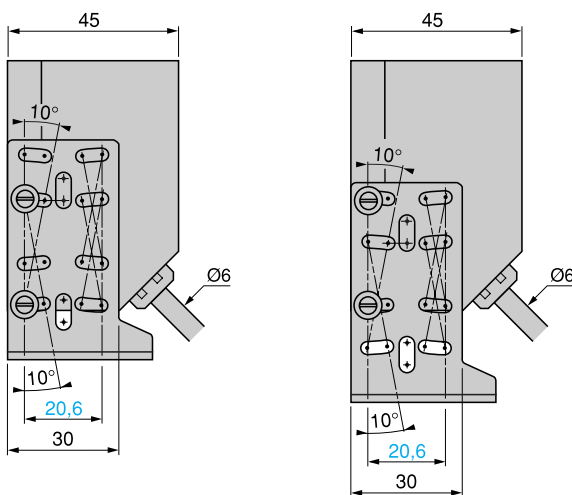
Excess gain curve (ambient temperature : + 25 °C)

Reflex system ~ or ---

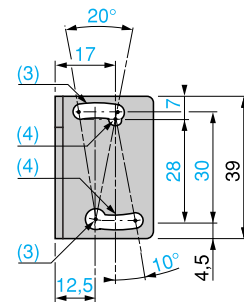


With reflector XUZ C50

Dimensions



Bracket fixing



- (1) LED
- (2) Front fixing (Ø 3 screws and inserts supplied)
- (3) 1 elongated hole Ø 4.1 x 10 and 1 x Ø 4.1
- (4) 1 elongated hole Ø 3.1 x 10 and 1 x Ø 3.1

Wiring scheme (5-wire ~ or ---)

1 "C/O" relay output

Light switching (object present)

