Product data sheet
Characteristics

XUK2SPSMM12R

photo-electric sensor - XUKS - thru beam receiver - Sn 15m - 10..30VDC - M12

Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application food and beverage single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Thru beam
Material	Stainless steel
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	4-wire
Discrete output type	PNP
Discrete output function	1 NO
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Red thru beam
[Sn] nominal sensing distance	15 m thru beam need a transmitter

Complementary

Enclosure material	Stainless steel 316
Lens material	PMMA
Maximum sensing distance	20 m thru beam
Output type	Solid state
Add on output	Without
Add on input	External teach
Wire insulation material	PVC
Status LED	1 LED (yellow) for output state
[Us] rated supply voltage	12...24 V DC
Supply voltage limits	9…33 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 250 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	<= 35 mA no-load
Maximum delay first up	15 ms
Maximum delay response	2 ms
Maximum delay recovery	2 ms
Setting-up	Without sensitivity adjustment
Depth	50 mm
Height	50 mm
Width	18 mm
Net weight	0.19 kg

Environment

Product certifications	CSA[RETURN]UL[RETURN]CE
Ambient air temperature for operation	-25…55 °C
Temperature for cleaning operation	-20…100 °C
Ambient air temperature for storage	-40…70 °C
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10…55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty	18 months

Telemecanique
Sensors

Dimensions
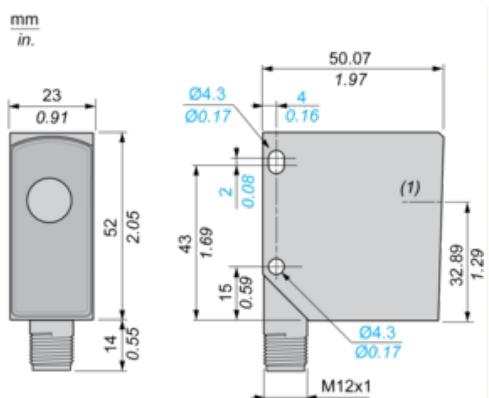
(1) Receiver optical axis

Wiring Schemes

M12 Connector
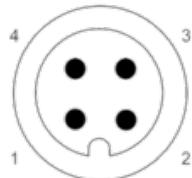
1 : (+)

2 : ET/Lock. ET: External Teach, Lock: pushbutton locking.

3 : (-)

4 : Output

PNP Receiver
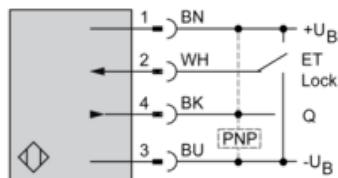
BN : Brown

WH : White

BU : Blue

BK : Black

Telemecanique
Sensors

Product data sheet
Performance Curves

# XUK2SPSMM12R

Detection Curves

Excess Gain Curve
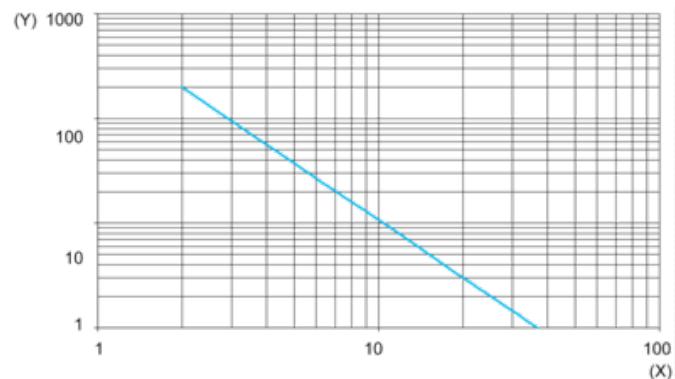
(y) Gain
(x) Distance (m)

Size of Luminous Point

(y) Size (mm)
(x) Distance (mm)

Telemecanique
Sensors