

# Product data sheet

## Characteristics

# XUVR1212PBNM8

Photoelectric sensors XU, XUV, fork,  
120X120mm, 12...24 VDC, M8



## Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose
Electronic sensor type	Photo-electric sensor
Sensor name	XUVR
Sensor design	Fork
Detection system	Thru beam
Emission	Red LED, modulated
Passage width	120 Mm
Passage depth	120 Mm
Material	Metal/Plastic
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NC
Electrical connection	1 male connector M8, 3 pins
Product specific application	Detection on small conveyor
[Sn] nominal sensing distance	120 Mm

## Complementary

Enclosure material	Painted aluminium and polyamide/glass
Spot diameter	0.8 mm
Type of output signal	Discrete
Output type	Solid state
Status LED	Output state: 1 LED (yellow)
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	100 mA (overload and short-circuit protection)
Switching frequency	4000 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	< 20 mA no-load
Net weight	0.19 Kg

Information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. It is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. The user is responsible for performing the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

Product certifications	CE UL CSA
Ambient air temperature for operation	-10...60 °C
Ambient air temperature for storage	-40...80 °C
Immunity to ambient light	10000 Lux natural light 5000 Lux incandescent bulb
Vibration resistance	7 gn, amplitude = +/- 0.75 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	IP65 IP67

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	150.0 G
Package 1 Height	1.8 Cm
Package 1 width	15.1 Cm
Package 1 Length	31.2 Cm
Unit Type of Package 2	S01
Number of Units in Package 2	6
Package 2 Weight	1.051 Kg
Package 2 Height	15 Cm
Package 2 width	15 Cm
Package 2 Length	40 Cm

## Offer Sustainability

REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>

## Contractual warranty

Warranty	18 months
----------	-----------

Product Life Status :	Commercialised
-----------------------	----------------