

Product data sheet

XU9M18MA230

Photoelectric sensor XU9, polarised reflex, Sn 2 m, 24...240 VAC/DC, cable 2 m

Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Sensor name	XU9
Electronic sensor type	Photo-electric sensor
Sensor design	Cylindrical M18
Kit composition	Reflector XUZC50 sensor
Product specific application	Not applicable
ETIM classification	ETIM 9 - EC002717 - Retroreflective photoelectric sensor
Material	Metal
Lens material	PMMA
Enclosure material	Nickel plated brass
[Sn] nominal sensing distance	2-2 m polarised reflex need reflector XUZC50
Maximum sensing distance	3 m
Wiring technique	2-wire
Diameter	18 mm
Detection system	Polarised reflex
Line of sight type	Axial
Delay response	20 ms
Indivisible sale quantity	1

Complementary

Sensing range	> 1...5 m
Electrical connection	Cable
Cable length	2 m
Supply voltage limits	20-264 V AC/DC
[Us] rated supply voltage	24...240 V AC/DC
Supply circuit type	AC/DC
Switching capacity in mA	10...200 mA (to be used with 0.4 A quick-blow fuse in series with the load)
Maximum voltage drop	<6 V (closed state)

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This documentation 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.
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Emission	Red polarised reflex
Setting-up	Sensitivity adjustment
Output type	Solid state
Type of output signal	Discrete
Add on output	Without
Discrete output function	1 NO
Switching frequency	<= 25 Hz
Status LED	1 LED (yellow) for output state, 1 LED (red) for instability
Delay first up	300 ms
Delay recovery	20 ms
Length	95 mm
Product weight	0.09 kg

Environment

IP degree of protection	IP67 conforming to IEC 60529
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for operation	-25-55 °C
Ambient air temperature for storage	-40...70 °C
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10-55 Hz) conforming to IEC 60068-2-6

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Warranty

Warranty	18 months

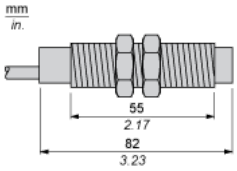
Packing Units

Country of origin	FR (France)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916037034
Package 1 height	4.2 cm
Package 1 width	9.5 cm
Package 1 length	13.2 cm
Package 1 weight	0.17 kg
Unit type of package 2	S02

Number of units in package 2	22
New Package 2 GTIN 14	13666916037031
Package 2 height	15 cm
Package 2 width	30 cm
Package 2 length	40 cm
Package 2 weight	3.721 kg
Unit type of package 3	CAR
Number of units in package 3	1
New Package 3 GTIN 14	23666916037038
Package 3 height	13.2 cm
Package 3 width	4.2 cm
Package 3 length	9.5 cm
Package 3 weight	0.152 kg

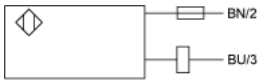
Technical Drawings

Dimensions



Wiring Schemes

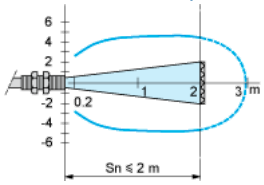
2-wire AC or DC



- BU : Blue
- BN : Brown

Detection Curves

Polarised Reflex System



With reflector XUZC50