
Ultrasonic forks XUVU range

Catalogue



Ultrasonic sensors

XUVU for packaging series
Ultrasound fork for label detection



XUVU04M3●L2



XUVU04M3●L02M12



XUVU04M3●M8

Ultrasonic fork  IO-Link				
Operating sensing distance (Sn)	Function	Connection	Reference	Weight (kg)
2.6 mm	Push/pull	M8 connector (4-pin)	XUVU04M3BM8	0.095
		Pre-cabled (L = 2 m)	XUVU04M3BL2	0.12
		Pigtail M12 (L = 0.2 m)	XUVU04M3BL02M12	0.108
	PNP	M8 connector (4-pin)	XUVU04M3PM8	0.095
		Pre-cabled (L = 2 m)	XUVU04M3PL2	0.12
		Pigtail M12 (L = 0.2 m)	XUVU04M3PL02M12	0.108
	NPN	M8 connector (4-pin)	XUVU04M3NM8	0.095
		Pre-cabled (L = 2 m)	XUVU04M3NL2	0.12
		Pigtail M12 (L = 0.2 m)	XUVU04M3NL02M12	0.108

Accessories

IO-Link Master

See catalogue [Photo-electric sensors, XU range](#)

Cabling accessories

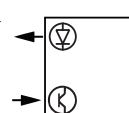
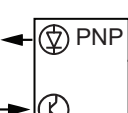
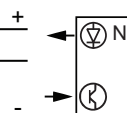
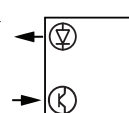
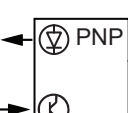
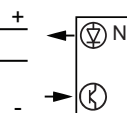
See catalogue [Photo-electric sensors, XU range](#)

Characteristics

System			Thru-beam
Type of transmission			Ultrasonic
Nominal sensing distance (Sn)			2.6 mm
Depth			43 mm
References		XUVU04M3B●	XUVU04M3P●XUVU04M3N●
Remote adjustment		Push-Pull	PNPNPN
Product certifications		IEC 60947-5-2, CE, UKCA, cULus	
Materials		Valox, Zamac	
Connection		XUVU04M3●M8: 4-pin M8 connector XUVU04M3●L2: 4-wire cable XUVU04M3●L02M12: 4-pin M12 connector	
Detection performance	Minimum length of label	mm	2
	Minimum distance between 2 labels	mm	1
	Maximum flow rate	m/s	4 (240 m/min)
	Detection accuracy	mm	For v = 2 m/s: +/-0.25
Supply	Rated supply voltage	V	12-24 with protection against reverse polarity
	Voltage limits	V	10-30 (including ripple)
	Current consumption, no-load	mA	<50
Protection class			III
Output	Maximum rated current	mA	100
	Maximum switching frequency	kHz	1.1
	Indicator light		
	LEDs Output state		Yellow
	Quality of Teach/ Quality of Run		5-segment LED bar graph (green)
	Power		Green
Delay		μ s	440
Environment	Operating temperature	°C	+5...+55
	Storage temperature	°C	-20...+70
	Degree of protection		IP65

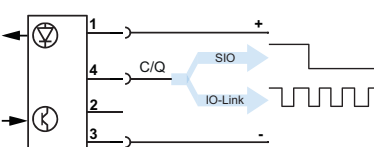
Wiring schemes

M12/M8 connector - 4 pins - pre-cabled

	Pin	Signal	Colour	Push/pull	PNP	NPN
 M12	1	+	Brown (BN)			
	2	MF	White (WH)			
	3	-	BU (Blue)			
	4	Q/C	Black (BK)			
 M8	1	+	Brown (BN)			
	2	MF	White (WH)			
	3	-	BU (Blue)			
	4	Q/C	Black (BK)			

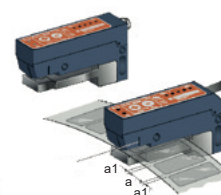
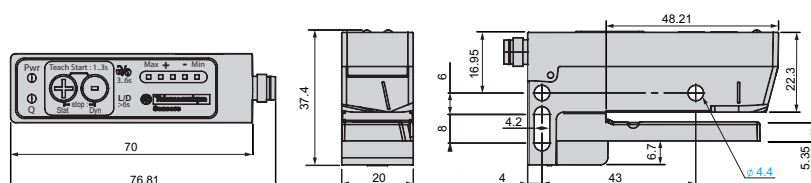
Auto-detect by IO-Link

Pin	Signal
1	+
2	MF
3	-
4	Q/C



Dimensions

XUVU04M3●●●



a1 ≥ 1 mm (0.039 in.)
a2 ≥ 2 mm (0.078 in.)

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January 2025 - V1.0

TESEBRO000327FR