

Notice of Discontinuation
U1HJ001
Fork Sensor for Label Detection



EN

End-of-Life Notices

Discontinued Product: U1HJ001

Recommended Replacement Product: U3HJ301-006-070

Discontinuation Date: 31.12.2026

Key Differences

The successor product is characterized by faster belt speeds and a larger fork width in a smaller format.

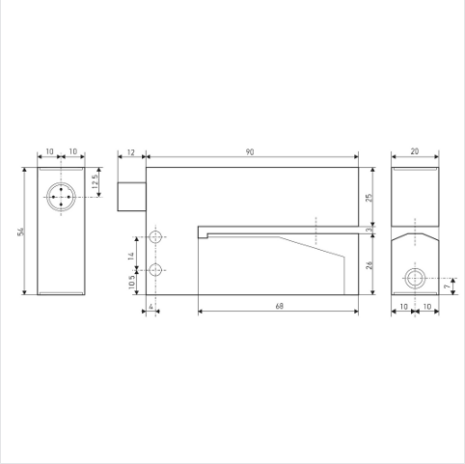
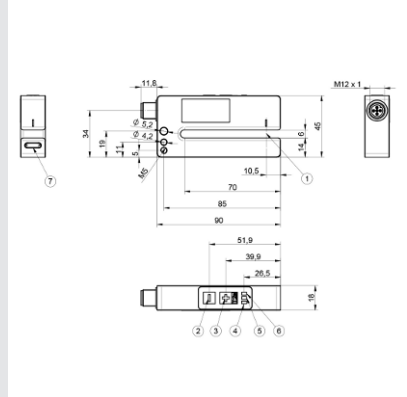
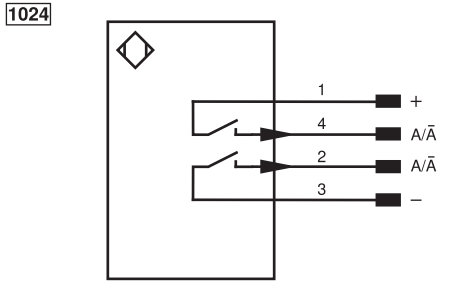
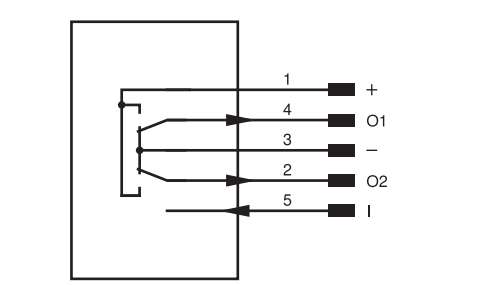
The successor product has a 5-pin M12 plug.

The successor product has three round holes instead of two elongated holes for mounting.

Below is a detailed product comparison:

	Discontinued Product U1HJ001	Successor Product U3HJ301-006-070
Ultrasound Data		
Fork Width	3 mm	6 mm
Smallest Detectable Gap	2 mm	2 mm
Ultrasonic Frequency	300 kHz	
Reproducibility		0.2 mm
Electrical Specifications		
Supply Voltage	12...30 V DC	18...30 V DC
Current Consumption (U _b = 24 V)	< 45 mA	< 40 mA
Switching Frequency	400 Hz	
Response Time	1.25 ms	0.25 ms
Temperature Range	0...50 °C	0...60 °C
Number of Switching Outputs		2
Switching Output Voltage Drop	< 1.5 V	
Switching Output/Switching Current	250 mA	100 mA
Short Circuit Protection	yes	yes
Reverse Polarity Protection	yes	yes
Protection Class	III	III
Time delay before availability		180 ms
Mechanical Specifications		
Setting Method	Teach-In	Teach-In
Housing Material	Aluminum	Aluminum
Degree of Protection	IP54	IP67
Connection	M12 × 1; 4-pin	M12 × 1; 5-pin
Output Functions		
Output	NPN PNP	Push-pull
Circuit	NO	NO

Product Images/Technical Drawings/Connection Diagrams/Approvals

	Discontinued Product U1HJ001	Successor Product U3HJ301-006-070
Product Image		
Dimensioned drawing and control panel	 01 = Switching Status Indicator 06 = Teach Button 68 = Power LED	 ① Active Surface ② Sound Level Setting ③ Teach-in key 7 Sound level setting ④ error indicator ⑤ switching status indicator ⑥ Power LED ⑦ Air outlet
connection diagram	 1024	 1 = Supply voltage + 2 = Error output, push-pull, NO 3 = Supply voltage 0 V 4 = Switching output, push-pull, NO 5 = Input, active-high

	Discontinued Product U1HJ001		Successor Product U3HJ301-006-070	
Approvals	