

PS Series Fork Sensors

Fork Sensor U-Frame - Food Applications



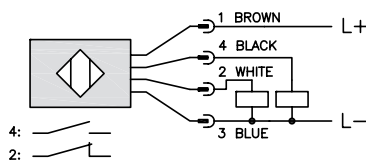
- Rugged metal one-piece housing - always in alignment
- Easy installation
- Stainless steel slot sensor
- Visible Red Light
- Food Applications
- Complementary Light / Dark operation
- Adjustable sensitivity
- High switching frequency
- M12 connector with cable



PS Series Fork Sensor U-frame Selection Chart - Food Applications							
Part Number	Price	Sensing Range	Output State	Logic	Connection	Wiring	Dimensions
PSUFR-0P-5F	\$257.00	50mm (1.18 in)	Complementary Light On/Dark On	PNP	M12 connector	Diagram 1	Figure 1
PSUFR-0P-6F	\$272.00	80mm (3.15 in)				Diagram 1	Figure 2

Wiring diagrams

Diagram 1



Connectors



PS Series Fork Sensors

Specifications	
	Food Applications
Mounting Type	Slot
Sensing Distance	50mm (1.97 in) to 80mm (3.15 in)
Smallest Detectable Object	PSUFR 5F 0.8 mm (0.003 in) PSUFR 6F 1.0 mm (0.04 in)
Emission	Visible Red Light
Output Type	PNP/ Light on/Dark on/ 4-wire
Operating Voltage	10 to 30 VDC
No-load Supply Current	≤ 35 mA
Operating (Load) Current	200 mA
Off-state (Leakage) Current	N/A
Voltage Drop	≤ 3.0V (PNP)
Switching Frequency	3kHz
Differential Travel	N/A
Repeat Accuracy	0.25 mm (0.984 in)
Ripple	N/A
Time Delay Before Availability (tv)	N/A
Reverse Polarity Protection	Yes
Short-Circuit Protection	Yes
Operating Temperature	-10°C to +60°C (14°F to +140°F)
Protection Degree (DIN 40050)	IP67/IP69k
Indication/Switch Status	On Yellow LED
Housing Material	316 L Stainless Steel
Sensing Face Material	PMMA
Shock	Meets IEC 68-2-27 (See Photoelectric Sensor Terminology at the end of this section for more details)
Vibration	Meets IEC 68-2-6 (See Photoelectric Sensor Terminology at the end of this section for more details)
Tightening Torque	N/A
Weight	PSUFx5F 285g (10.05 oz) PSUFx6F 340g (11.99 oz)
Connection	0.25m PUR cable with 4-pin M12 quick-disconnect
Agency Approvals	CE
Note: To obtain the most current agency approval information— see the Agency Approval Checklist section on the specific part number's web page.	

PS Series Fork Sensors

Dimensions

mm

[inch]

Figure 1

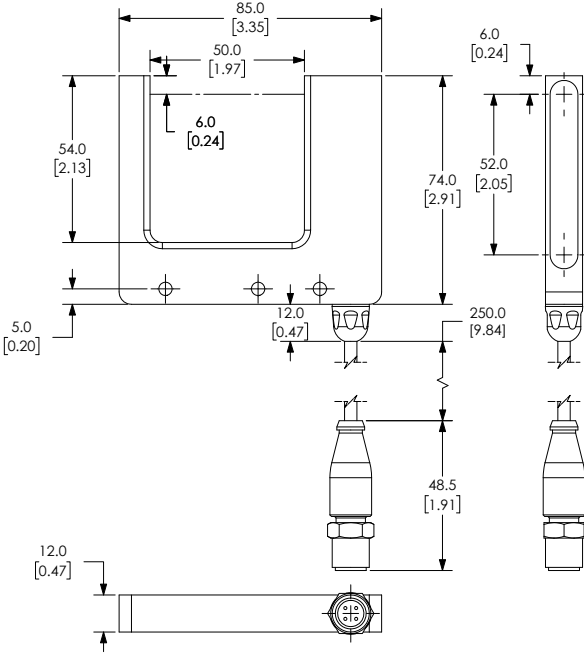
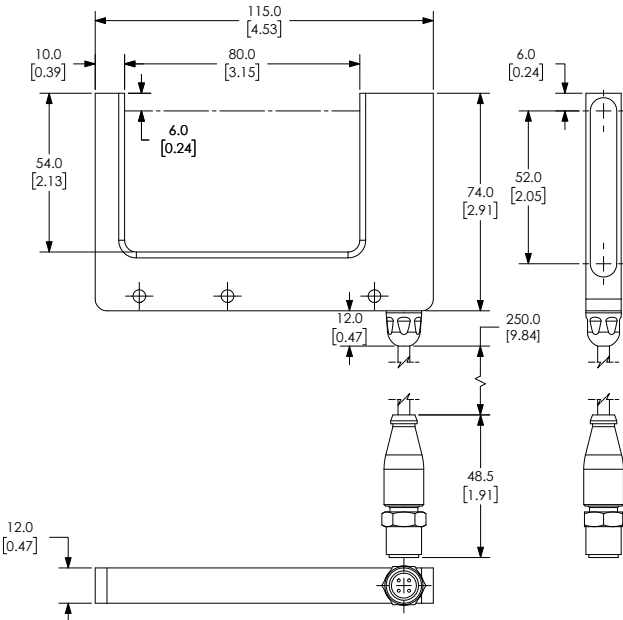


Figure 2



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