1-800-633-0405 **FT Series IP69K-rated Proximity Sensors**



VFT1-A0-1M VFT1-A0-2M

30mm Stainless Steel - AC

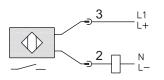
- 30mm diameter
- 316L stainless steel housing
- 1/2" micro AC quick-disconnect plug with gold-plated pins (purchase cable separately)
- Complete overload protection
- IP69K rated for food and beverage applications
- M30 mounting hex nuts included
- · Lifetime warranty



VFT Series Food and Beverage AC Inductive Proximity Selection Chart							
Part Number Price Sensing Range Mounting Output State Connection Wirit						Wiring	Dimensions
<u>VFT1-A0-1M</u>	\$71.00	0 to 14 mm [0 to 0.551 in]	Flush	NO	1/2" micro AC quick-disconnect plug	Diagram 1	Figure 1
<u>VFT1-A0-2M</u>	\$71.00	0 to 22 mm [0 to 0.866 in]	Non-flush	N.O.	1/2" micro AC quick-disconnect plug	Diagram 1	Figure 1

Wiring Diagram

Diagram 1



Note: Class 2 power supply required

Connector



1-800-633-0405 VFT Series IP69K-rated Proximity Sensors

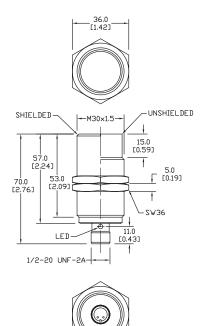
VFT Series Food and Beverage AC Inductive Proximity Specifications						
Mounting Type	Flush	Non-flush				
Nominal Sensing Distance	0 to 14 mm [0 to 0.551 in]	0 to 22 mm [0 to 0.866 in]				
Operating Distance	NA	NA				
Material Correction Factors	See the Material influence table					
Output Type	N.O.	only				
Operating Voltage	20 to 140	VAC/VDC				
No-load Supply Current	N	A				
Operating (Load) Current	5 - 20	00mA				
Off-state (Leakage) Current	< 1mA					
Voltage Drop	< 5.	< 5.5 V				
Switching Frequency	25Hz VAC/	100Hz VDC				
Differential Travel (% of Nominal Distance)	2 - 15%	3 - 15%				
Repeat Accuracy	10	10%				
Ripple	NA					
Time Delay Before Availability (tv)	1s					
Reverse Polarity Protection	yes					
Short-Circuit Protection	yes (non latching)					
Operating Temperature	0 to 100°C [32 to 212°F]					
Protection Degree (DIN 40050)	IEC IP68/IP69K, II					
Indication/Switch Status	Normally Open output energized - Yellow					
Housing Material	316L stainless steel					
Sensing Face Material	PEEK (Polyether Ether Ketone)					
Shock/Vibration	See Proximity Sensor Terminology					
Tightening Torque	80 Nm [59 lb-ft]					
Weight	149g [5.25 oz] 142g [5.01 oz]					
Connection	1/2" micro AC connector					
Agency Approvals	UL E328811, CE,	ECOLAB, RoHS				

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

Dimensions

mm [inches]

Figure 1



Accessories for 30mm Sensors

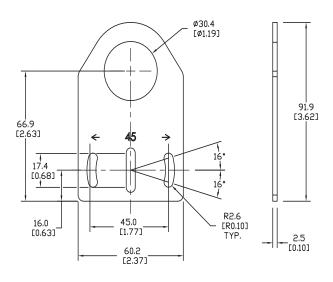
Axial Mounting Bracket

Mounting bracket, axial, zinc-plated steel. For use with 30mm sensors. Has two mounting holes (use 5mm screws) and allows the rotation of an optical axis for right-beam-angle-adapter sensors. Hexagonal nuts not included.

Accessories for 30mm Sensors					
Part Number	Part Number Price Description		Weight Ib [g]		
<u>ST30A</u>	\$2.25	Micro Detectors mounting bracket, axial, zinc plated steel. For use with 30mm sensors.	0.18 [81.7]		

Dimensions

mm [inches]

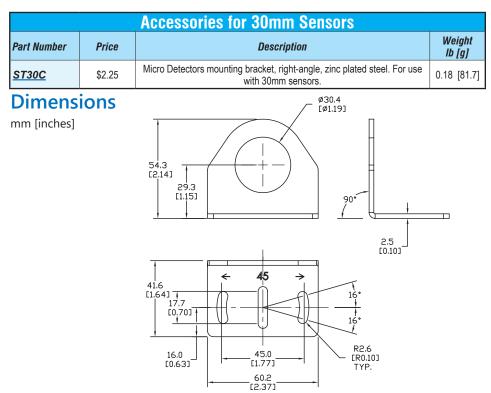




<u>ST30A</u>

Right-angle Mounting Bracket

Mounting bracket, right-angle, zinc-plated steel. For use with 30mm sensors. Has two mounting holes (use 5mm screws) and allows the rotation of an optical axis for axial sensors. Hexagonal nuts not included.





ST30C

1-800-633-0405 Accessories for 30mm Sensors

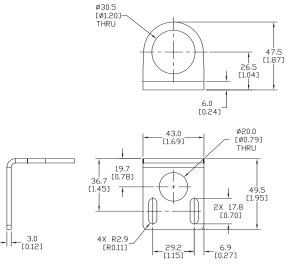
Right-angle Mounting Bracket

Mounting bracket, right-angle, 304 stainless steel. For use with 30mm sensors.

Accessories for FW Series Sensors						
Part Number	art Number Price Description		Weight Ib [g]			
<u>ST30C6W</u>	\$4.00	AutomationDirect mounting bracket, right-angle, 304 stainless steel. For use with 30mm sensors.	0.15 (68.0)			

Dimensions

mm [inches]





ST30C6W

Right-angle Swivel Mounting Systems

Mounting bracket, right-angle swivel, 360 degree vertical and horizontal adjustment, 12mm rod mount. For use with 30mm sensors. Available in all 304 stainless steel or with an aluminum head with a 304 stainless steel mounting plate.

Accessories for 30mm Sensors								
Part Number	Price	Description	Mounting Head	Mounting Plate	Drawing Link	Weight Ib [g]		
<u>OPT2118</u>	\$11.50	Wenglor mounting bracket, right-angle swivel, 360 degree vertical and horizontal adjustment, aluminum, 12mm rod mount. For use with 30mm sensors.	Aluminum	304 Stainless steel	<u>PDF</u>	0.18 [81.7]		
<u>OPT2119</u>	\$21.00	Wenglor mounting bracket, right-angle swivel, 360 degree vertical and horizontal adjustment, 304 stainless steel, 12mm rod mount. For use with 30mm sensors.	304 Stainless Steel	304 Stainless steel	<u>PDF</u>	0.18 [81.7]		



Note: 304 Stainless steel mounting rods sold separately: <u>OPT2109</u> (200mm [7.87 in] length), <u>OPT2110</u> (300mm [11.81 in] length), and <u>OPT2111</u> (500mm [19.69 in] length).

OPT2118, OPT2119

1-800-633-0405 Mounting Rods and Brackets

Mounting Rods

304 Stainless steel rods for mounting swivel brackets <u>OPT2112</u> - <u>OPT2127</u> Available in three lengths: 200mm, 300mm, and 500mm. 12mm diameter.

Mounting Rods for OPT2112-2127 Swivel Mounting Brackets							
Part Number	Price	Description	Drawing Link	Weight Ib (g)			
<u>OPT2109</u>	\$13.00	Wenglor mounting rod, 12mm diameter, 200mm length, 304 stainless steel.	PDF	0.41 [185.97]			
<u>OPT2110</u>	\$16.00	Wenglor mounting rod, 12mm diameter, 300mm length, 304 stainless steel.	PDF	0.60 [272.16]			
<u>OPT2111</u>	\$21.00	Wenglor mounting rod, 12mm diameter, 500mm length, 304 stainless steel.	PDF	0.98 [444.52]			



Right-angle Mounting Bracket

Mounting bracket, right-angle, nickel-plated brass. For use with 12mm mounting rods <u>OPT2109</u>, <u>OPT2110</u> & <u>OPT2111</u>.

Right-angle Mounting Brackets for 12mm Sensors						
Part Number Price Description		Drawing Link	Weight Ib [g]			
<u>OPT2108</u>	\$16.00	Wenglor mounting bracket, right-angle, nickel-plated brass. For use with 12mm mounting rods OPT2109, OPT2110 & OPT2111.	<u>PDF</u>	0.07 [31.8]		

