

V Series AC & AC/DC Inductive Proximity Sensors

M30 (30mm)



- Low cost/high performance
- LED status indicators are visible at a wide angle
- Axial cable and 1/2 in. micro AC quick-disconnect models
- Purchase cable separately (for quick-disconnect models)
- Lifetime warranty



V Series M30 AC & AC/DC Inductive Proximity Sensors Selection Chart

Part Number	Price	Sensing Range ¹	Mounting	Output State	Voltage	Connection	Wiring	Dimensions
Standard								
VT1-A0-1B	\$45.00	10mm [0.394 in]	Flush	N.O.	20–253 VAC	2m [6.5 ft] axial cable	Diagram 2	Figure 1
VT1-A0-2B	\$45.00	15mm [0.590 in]	Non-flush					
Extended								
V3T1-R0-3A8F	\$48.00	12mm [0.472 in]	Flush	N.O. (VAC) or N.O./N.C. (VDC)	20–250 VAC/ VDC	2m [6.5 ft] axial cable	Diagram 1	Figure 2
V3T1-S0-3A8F	\$48.00			N.C. (VAC) or N.O./N.C. (VDC)			Diagram 3	Figure 2
V3T1-R0-3Q	\$48.00			N.O. (VAC) or N.O./N.C. (VDC)		1/2"-20 UNF, micro AC quick-disconnect	Diagram 4	Figure 3
V3T1-S0-3Q	\$48.00			N.C. (VAC) or N.O./N.C. (VDC)			Diagram 5	Figure 3
V3T1-R0-4A8F	\$48.00	18mm [0.708 in]	Non-flush	N.O. (VAC) or N.O./N.C. (VDC)		2m [6.5 ft] axial cable	Diagram 1	Figure 2
V3T1-S0-4A8F	\$48.00			N.C. (VAC) or N.O./N.C. (VDC)			Diagram 3	Figure 2
V3T1-R0-4Q	\$48.00			N.O. (VAC) or N.O./N.C. (VDC)		1/2"-20 UNF, micro AC quick-disconnect	Diagram 4	Figure 3
V3T1-S0-4Q	\$48.00			N.C. (VAC) or N.O./N.C. (VDC)			Diagram 5	Figure 3

¹With 30mm x 30mm Fe360 target

Wiring Diagrams

Diagram 1

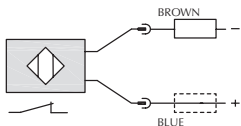
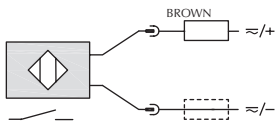


Diagram 3

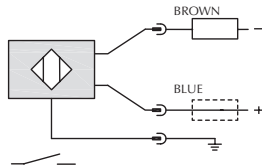
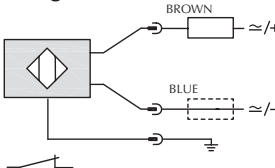


Diagram 2

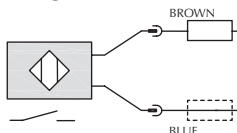
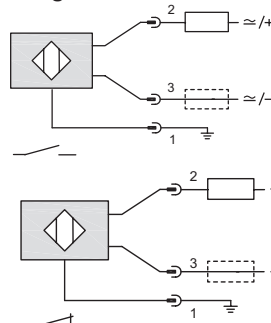
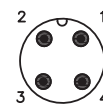


Diagram 4

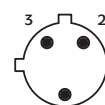


Connectors

M12 connector

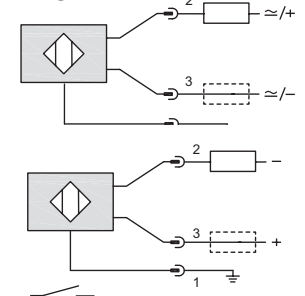


1/2 in. micro AC



Note: Pin 2 is not present on some models.

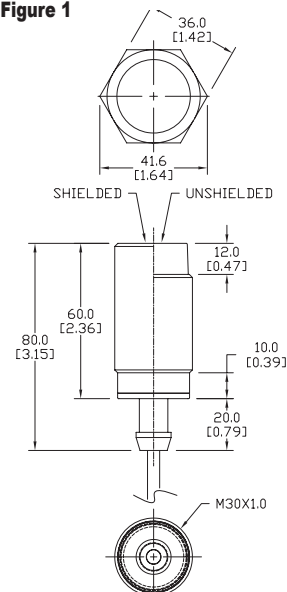
Diagram 5



1-800-633-0405

1-800-633-0405

mm [inches]



Technical drawing of the M30X1.5 shielded and unshielded cable assembly. The drawing includes a top view showing a hexagonal shielded section with dimensions 36.0 [1.42] and 41.6 [1.64]. The side view shows the shielded section (55.0 [2.17]) and the unshielded section (11.8 [0.46]). The total length is 7.7 [0.30]. The bottom view shows the M30X1.5 thread.

Technical drawing of the M30X1.5 nut, showing three views: top, side, and bottom.

Top View: A hexagonal nut with a central hole. Dimensions include a hexagon width of 36.0 mm [1.42] and an outer diameter of 41.6 mm [1.64].

Side View: A perspective view showing the nut's profile. Dimensions include a total height of 60.0 mm [2.36], a main body height of 37.5 mm [1.48], a shoulder height of 11.8 mm [0.46], and a base thickness of 7.5 mm [0.30]. The top surface is labeled "SHIELDED" and the bottom surface is labeled "UNSHIELDED".

Bottom View: A circular view of the nut's base, showing the thread specification M30X1.5.

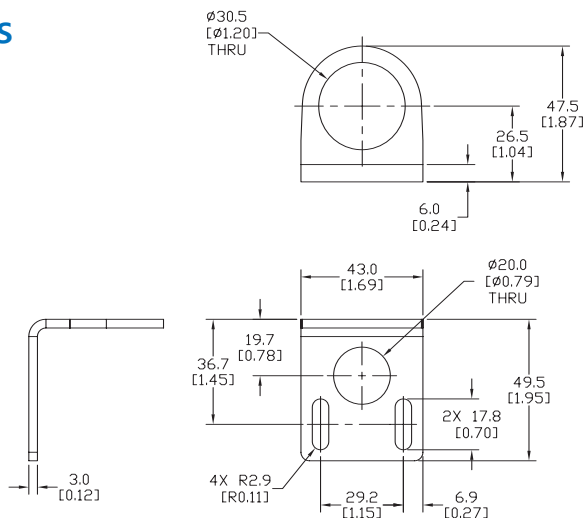
www.automationdirect.com

Right-angle Mounting Bracket

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

Accessories for FW Series Sensors			
Part Number	Price	Description	Weight lb [g]
<u>ST30C6W</u>	\$5.50	AutomationDirect mounting bracket, right-angle, 304 stainless steel. For use with 30mm sensors.	0.15 (68.0)

mm [inches]



ST30C6W

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 lb [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: [OPT2109](#) (200mm [7.87 in] length), [OPT2110](#) (300mm [11.81 in] length), and [OPT2111](#) (500mm [19.69 in] length).



OPT2118, OPT2119