



# DW Series 5mm Triple Sensing Proximity Sensors



## Miniature M5 (5mm) nickel silver– DC

- 5mm triple distance proximity sensor
- Complete overload protection
- IP67 rated
- Two M5 lock nuts included
- Nickel silver construction
- LED status indicator
- Lifetime warranty



### DW Series 5mm Triple Distance Inductive Proximity Selection Chart

Part Number	Price	Size	Sensing Range	Mounting	Output State	Logic	Connection	Wiring	Dimensions
<b>Triple Distance</b>									
<a href="#">DW-AD-501-M5</a>	\$99.00	M5	2.5 mm [0.098 in]	Semi-flush	N.O.	NPN	2m [6.5 ft] axial cable	Diagram 1	Figure 1
<a href="#">DW-AD-503-M5</a>	\$99.00	M5	2.5 mm [0.098 in]	Semi-flush	N.O.	PNP	2m [6.5 ft] axial cable	Diagram 2	Figure 1
<a href="#">DW-AS-501-M5</a>	\$99.00	M5	2.5 mm [0.098 in]	Semi-flush	N.O.	NPN	M8 quick-disconnect	Diagram 3	Figure 2
<a href="#">DW-AS-503-M5</a>	\$99.00	M5	2.5 mm [0.098 in]	Semi-flush	N.O.	PNP	M8 quick-disconnect	Diagram 4	Figure 2
<a href="#">DW-AD-502-M5</a>	\$99.00	M5	2.5 mm [0.098 in]	Semi-flush	N.C.	NPN	2m [6.5 ft] axial cable	Diagram 1	Figure 1
<a href="#">DW-AD-504-M5</a>	\$99.00	M5	2.5 mm [0.098 in]	Semi-flush	N.C.	PNP	2m [6.5 ft] axial cable	Diagram 2	Figure 1
<a href="#">DW-AS-502-M5</a>	\$99.00	M5	2.5 mm [0.098 in]	Semi-flush	N.C.	NPN	M8 quick-disconnect	Diagram 3	Figure 2
<a href="#">DW-AS-504-M5</a>	\$99.00	M5	2.5 mm [0.098 in]	Semi-flush	N.C.	PNP	M8 quick-disconnect	Diagram 4	Figure 2

### DW Series 5mm Triple Distance Inductive Proximity Specifications

Specifications	DW-Ax-50x-M5
<b>Mounting Type</b>	Semi-flush
<b>Nominal Sensing Distance</b>	2.5 mm
<b>Operating Distance</b>	–
<b>Material Correction Factors</b>	See the <a href="#">Material influence table</a>
<b>Output Type</b>	NPN or PNP, N.O. or N.C.
<b>Operating Voltage</b>	10 to 30 VDC
<b>No-load Supply Current</b>	≤ 10mA
<b>Operating (Load) Current</b>	≤ 200mA
<b>Off-state (Leakage) Current</b>	≤ 0.1 mA
<b>Voltage Drop</b>	≤ 2V
<b>Switching Frequency</b>	≤ 800Hz
<b>Differential Travel (% of Nominal Distance)</b>	≤10%
<b>Repeat Accuracy</b>	0.03 mm
<b>Ripple</b>	≤ 20%
<b>Time Delay Before Availability (tv)</b>	≤ 30ms
<b>Reverse Polarity Protection</b>	Yes
<b>Short-Circuit Protection</b>	Yes
<b>Operating Temperature</b>	-25 to 70°C [-13 to 158°F]
<b>Protection Degree (DIN 40050)</b>	IP67
<b>Indication/Switch Status</b>	Yellow LED
<b>Housing Material</b>	Nickel silver
<b>Sensing Face Material</b>	PPE [Noryl]
<b>Shock/Vibration</b>	IEC 60947-5-2/7.4
<b>Tightening Torque</b>	–
<b>Weight</b>	33g [1.16 oz], 5g [0.18 oz]
<b>Connection</b>	2m [6.5 ft] cable, M8 connection
<b>IO-Link</b>	–
<b>Agency Approvals</b>	CE, cULus E239373

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

# DW Series 5mm Triple Sensing Proximity Sensors

## Dimensions

mm [inches]

Figure 1

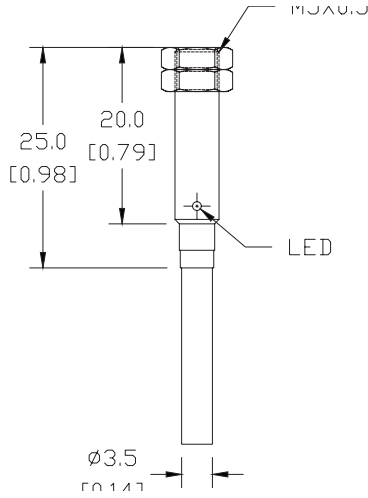
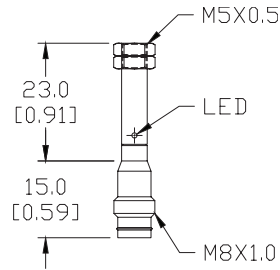


Figure 2



## Wiring Diagrams

Diagram 1

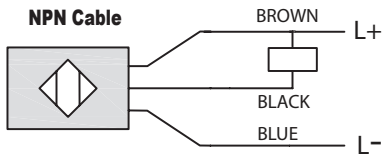
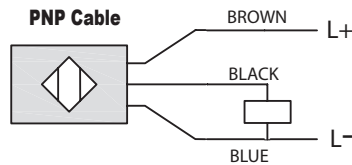


Diagram 2



## Connectors

M8 connector

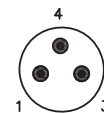


Diagram 3

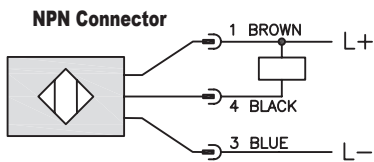
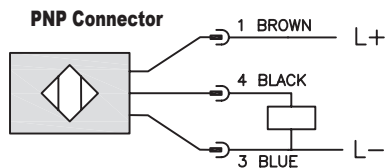


Diagram 4



# Accessories for 5mm Sensors

## Right-angle Mounting Bracket

Mounting bracket, right-angle, plastic. For use with 5mm sensors.

Accessories for 5mm Sensors				
Part Number	Price	Description	Drawing Link	Weight [lb]
<a href="#">OPT2100</a>	\$8.00	Wenglor mounting bracket, right-angle, plastic. For use with 5mm sensors.	<a href="#">PDF</a>	0.02



[OPT2100](#)