



DW Series 3mm Inductive Proximity Sensors

Miniature Ø3 (3mm) – DC



- Complete overload protection
- IP67 rated
- Stainless steel construction
- LED status indicator
- Lifetime warranty



DW Series Ø3 (3mm) DC Inductive Proximity Selection Chart

Part Number	Price	Size	Sensing Range	Mounting	Output State	Logic	Connection	Wiring	Drawing Link
Extended Distance									
DW-AD-621-03-960	\$84.00	Ø3 (Smooth barrel)	1mm [0.039 in]	Flush	N.O.	NPN	2m [6.5 ft] axial cable	Diagram 1	PDF
DW-AD-623-03-960*	\$84.00					PNP		Diagram 2	PDF
DW-AD-622-03	\$84.00				N.C.	NPN		Diagram 1	PDF
DW-AD-624-03	\$84.00					PNP		Diagram 2	PDF

*IO-Link model

Wiring Diagrams

Diagram 1

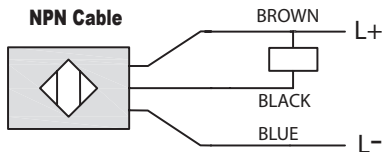
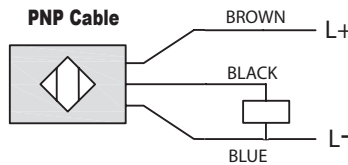


Diagram 2



DW Series 3mm Inductive Proximity Sensors

DW Series Ø3 (3mm) DC Inductive Proximity Specifications		
Specification	DW-Ax-62x-03-96x	DW-Ax-62x-03
Mounting Type	Flush	
Nominal Sensing Distance	1mm [0.039 in]	
Operating Distance	—	
Material Correction Factors	See the Material influence table	
Output Type	NPN or PNP, N.O. or N.C.	
Operating Voltage	10 to 30 VDC	
No-load Supply Current	≤ 10mA	
Operating (Load) Current	≤ 100mA	
Off-state (Leakage) Current	≤ 0.1 mA	
Voltage Drop	≤ 2 V	
Switching Frequency	≤ 8kHz	≤ 3kHz
Differential Travel (% of Nominal Distance)	≤ 10%	
Repeat Accuracy	0.02 mm	
Ripple	≤ 20%	
Time Delay Before Availability (tv)	≤ 10ms	
Reverse Polarity Protection	Yes	
Short-Circuit Protection	Yes	
Operating Temperature	-25 to 70°C [-13 to 158°F]	
Protection Degree (DIN 40050)	IP67	
Indication/Switch Status	Yellow LED	
Housing Material	Stainless steel	
Sensing Face Material	POM [polyoxymethylene]	
Shock/Vibration	IEC 60947-5-2/7.4	
Tightening Torque	—	
Weight	18g [0.625 oz]	
Connection	2m [6.5 ft] cable	
IO-Link	PNP N.O. Version Only	
Agency Approvals	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.

Accessories for 3mm Sensors

Right-angle Mounting Bracket

Mounting bracket, right-angle, 316L stainless steel. Package of 2.
For use with 3mm sensors.

Accessories for 3mm Sensors				
Part Number	Price	Description	Drawing Link	Weight [lb]
OPT2037	\$25.50	Wenglor mounting bracket, right-angle, 316L stainless steel. Package of 2. For use with 3mm sensors.	PDF	0.02



[OPT2037](#)