



# DW Series Maritime Proximity Sensors



**DW-AD-603-M10E-620**

## M10 – DC

- Maritime approved
- IP68
- 304 stainless steel construction
- 10-30 VDC
- LED status indicator
- IO-Link v1.0
- Lifetime warranty



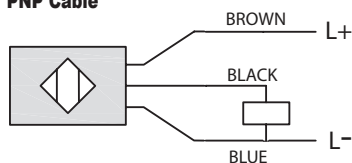
## DW Series Maritime Proximity Sensors

Part Number	Price	Size	Sensing Distance	Mounting	Output State	Logic	Connection	Wiring	Drawing Link
<a href="#">DW-AD-603-M10E-620</a>	\$295.00	M10	0.6mm [0.02 in]	Flush	N.O.	PNP	3-wire, pigtail, 9.25 in [235mm]	Diagram 1	<a href="#">PDF</a>
<a href="#">DW-AD-603-M10E-637</a>	\$295.00			Flush	N.O.	PNP	3-wire, pigtail, 5.5 in [140mm]	Diagram 1	<a href="#">PDF</a>

## Wiring Diagram

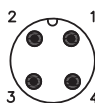
**Diagram 1**

**PNP Cable**



**Connector**

**M12 connector**





# DW Series Maritime Proximity Sensors Specifications

DW Series Maritime Proximity Sensors Specifications	
<b>Sensor</b>	<b>DW-AD-603-M10E-xxx</b>
<b>Assured Operating Distance</b>	$\leq (0.81 \times S_n)$ mm
<b>Rated Operating Distance</b>	0.6 mm [0.02 in]
<b>Material Correction Factors</b>	See the <a href="#">Material influence table</a>
<b>Output Type</b>	PNP, N.O.
<b>Operating Voltage</b>	10 to 30 VDC
<b>No-load Supply Current</b>	$\leq 10$ mA
<b>Operating (Load) Current</b>	200 mA
<b>Off-state (Leakage) Current</b>	$\leq 0.1$ mA
<b>Voltage Drop</b>	$\leq 2.0$ VDC @200mA
<b>Switching Frequency</b>	$\leq 2.0$ kHz
<b>Differential Travel (% of Nominal Distance)</b>	$\leq 15\%$ $S_r$
<b>Repeat Accuracy</b>	0.03 mm
<b>Ripple</b>	$\leq 20\%$
<b>Operating Pressure</b>	$\leq 200$ bar
<b>Reverse Polarity Protection</b>	Yes
<b>Short-Circuit Protection</b>	Yes
<b>Operating Temperature (according to UL 70°C)</b>	-25 to 70°C [-13 to 158°F]
<b>Protection Degree (DIN 40050)</b>	IP68
<b>Indication/Switch Status</b>	Yellow LED
<b>Housing Material</b>	304 Stainless steel
<b>Sensing Face Material</b>	Al <sub>2</sub> O <sub>3</sub> (Aluminum oxide)
<b>Shock/Vibration</b>	IEC 60947-5-2 / 7.4
<b>Tightening Torque</b>	20 N•m
<b>Weight</b>	28g [0.98 oz]
<b>Connection</b>	PUR, 3-wire, pigtail
<b>IO-Link</b>	v1.0
<b>Agency Approvals</b>	CE, cULus E239373, DNVGL-CG-0339: 2016

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