



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



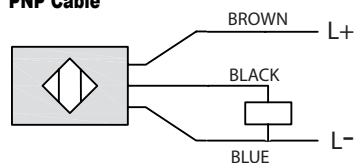
DW Series Maritime Proximity Sensors

Part Number	Price	Size	Sensing Distance	Mounting	Output State	Logic	Connection	Wiring	Drawing Link
DW-AD-603-M10E-620	\$05uyq:	M10	0.6mm [0.02 in]	Flush	N.O.	PNP	3-wire, pigtail, 9.25 in [235mm]	Diagram 1	PDF
DW-AD-603-M10E-637	\$05uyq:			Flush	N.O.	PNP	3-wire, pigtail, 5.5 in [140mm]	Diagram 1	PDF

Wiring Diagram

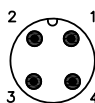
Diagram 1

PNP Cable



Connector

M12 connector





DW Series Maritime Proximity Sensors Specifications

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