

DW Series 20mm x 32mm Proximity Sensors

Miniature 20mm x 32mm stainless steel – DC



- Four models available
- Miniature 20mm x 32mm proximity sensor
- Complete overload protection
- IP68/IP69K-rated
- Stainless steel construction

- One-piece for harsh duty applications
- LED status indicator
- Lifetime warranty
- IO-Link models available



DW Series 20mm x 32mm Inductive Prox Selection Chart

Part Number	Price	Size	Sensing Range	Housing	Output State	Logic	Connection	Wiring	Dimensions
Extended Distance									
DW-AD-701-C23	\$79.00	20mm x 32mm x 8mm	7mm (0.275in)	Shielded	NO	NPN	2m (6.5 ft) axial cable	Diagram 1	Figure 1
DW-AD-703-C23 *	\$79.00					PNP		Diagram 2	Figure 1
DW-AV-701-C23-276	\$79.00					NPN	M8 quick disconnect	Diagram 3	Figure 2
DW-AV-703-C23-276*	\$79.00					PNP		Diagram 4	Figure 2

*IO-Link model

DW Series Specifications

	DW-Ax-70x-C23
Mounting Type	Unshielded
Nominal Sensing Distance	7mm
Operating Distance	NA
Material Correction Factors	See the Material influence table
Output Type	NPN or PNP, NO
Operating Voltage	10 to 30 VDC
No-load Supply Current	≤ 10mA
Operating (Load) Current	≤ 200mA
Off-state (Leakage) Current	≤ 0.1 mA
Voltage Drop	≤ 2 V
Switching Frequency	≤ 180 Hz
Differential Travel (% of Nominal Distance)	≤ 10%
Repeat Accuracy	0.3 mm
Ripple	≤ 20%
Time Delay Before Availability (tv)	≤ 20ms
Reverse Polarity Protection	Yes
Short-Circuit Protection	Yes
Operating Temperature	-25 to 85°C (-13 to 185°F)
Protection Degree (DIN 40050)	IP 68 & IP69K
Indication/Switch Status	Yellow LED
Housing Material	Stainless steel
Sensing Face Material	Stainless steel
Shock/Vibration	IEC 60947-5-2/7.4
Tightening Torque	--
Weight	47g (1.66 oz), 25g (0.88 oz)
Connection	2m cable, M8 connection
IO-Link	PNP NO version only
Agency Approvals	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.

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Dimensions

mm [inches]

Figure 1

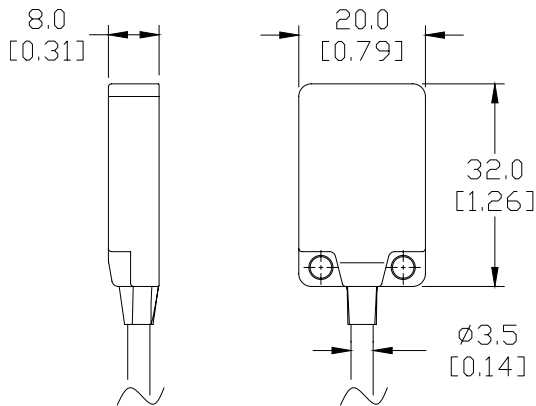
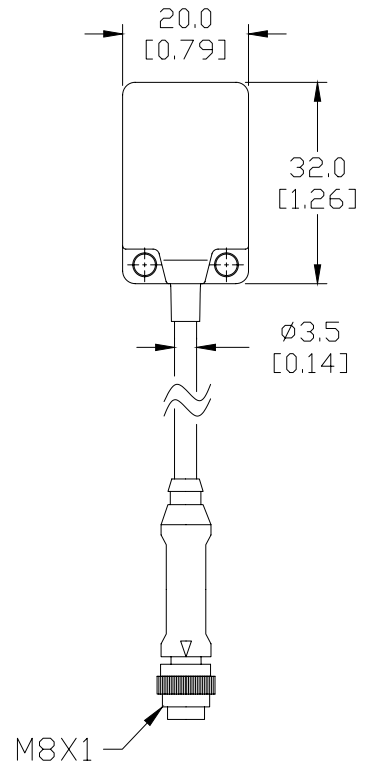


Figure 2



Wiring diagrams

Diagram 1

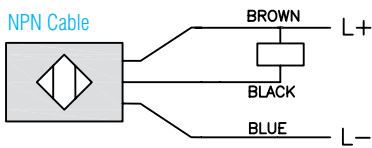


Diagram 2

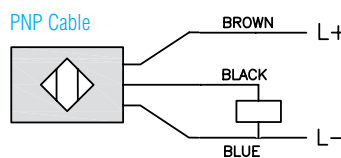


Diagram 3

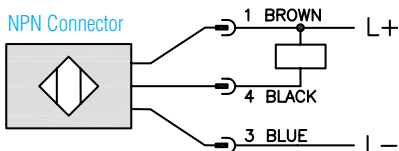
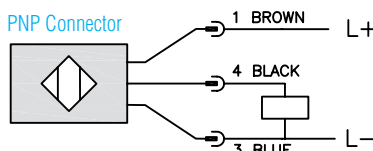


Diagram 4



Connectors



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