

DW Series 5mm Triple Sensing Proximity Sensors

Miniature M5 (5mm) nickel silver– DC



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



CONTRINEX
SENSORS SAFETY RFID

DW Series 5mm Triple Distance Inductive Prox Selection Chart

Part Number	Price	Size	Sensing Range	Mounting	Output State	Logic	Connection	Wiring	Dimensions
Triple Distance									
DW-AD-501-M5		M5	2.5 mm (0.098 in)	Semi-flush	N.O.	NPN	2m (6.5 ft) axial cable	Diagram 1	Figure 1
DW-AD-503-M5		M5	2.5 mm (0.098 in)	Semi-flush	N.O.	PNP	2m (6.5 ft) axial cable	Diagram 2	Figure 1
DW-AS-501-M5		M5	2.5 mm (0.098 in)	Semi-flush	N.O.	NPN	M8 quick-disconnect	Diagram 3	Figure 2
DW-AS-503-M5		M5	2.5 mm (0.098 in)	Semi-flush	N.O.	PNP	M8 quick-disconnect	Diagram 4	Figure 2
DW-AD-502-M5		M5	2.5 mm (0.098 in)	Semi-flush	N.C.	NPN	2m (6.5 ft) axial cable	Diagram 1	Figure 1
DW-AD-504-M5		M5	2.5 mm (0.098 in)	Semi-flush	N.C.	PNP	2m (6.5 ft) axial cable	Diagram 2	Figure 1
DW-AS-502-M5		M5	2.5 mm (0.098 in)	Semi-flush	N.C.	NPN	M8 quick-disconnect	Diagram 3	Figure 2
DW-AS-504-M5		M5	2.5 mm (0.098 in)	Semi-flush	N.C.	PNP	M8 quick-disconnect	Diagram 4	Figure 2

DW Series Specifications	DW-Ax-50x-M5
Mounting Type	Semi-flush
Nominal Sensing Distance	2.5 mm
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	≤ 200mA
Off-state (Leakage) Current	≤ 0.1 mA
Voltage Drop	≤ 2V
Switching Frequency	≤ 800Hz
Differential Travel (% of Nominal Distance)	≤ 10%
Repeat Accuracy	0.03 mm
Ripple	≤ 20%
Time Delay Before Availability (tv)	≤ 30ms
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	Nickel silver
Sensing Face Material	PPE (Noryl)
Shock/Vibration	IEC 60947-5-2/7.4
Tightening Torque	–
Weight	33g (1.16 oz), 5g (0.18 oz)
Connection	2m cable, M8 connection
IO-Link	–
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.

DW Series 5mm Triple Sensing Proximity Sensors

Dimensions

mm [inches]

Figure 1

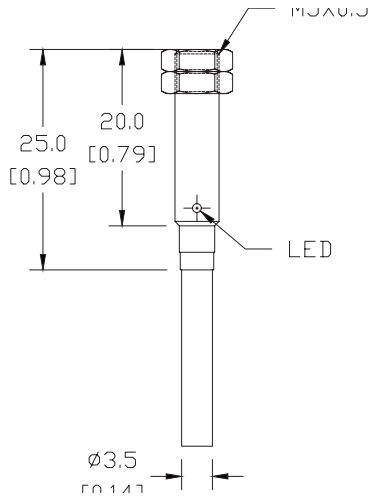
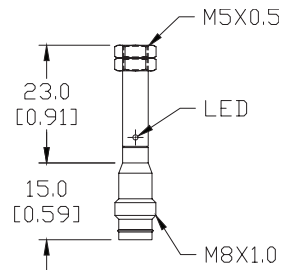


Figure 2



Wiring diagrams

Diagram 1

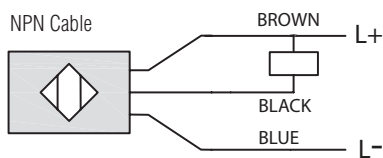


Diagram 2

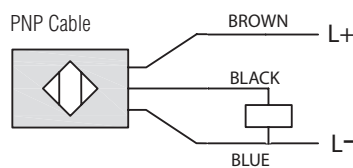


Diagram 3

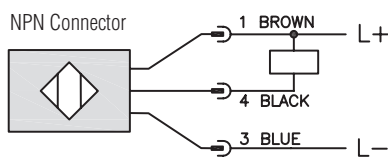
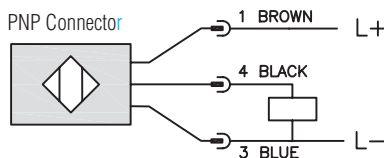
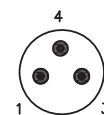


Diagram 4



Connectors

M8 connector



See our website for complete engineering drawings.

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]
OPT2100		Wenglor mounting bracket, right-angle, plastic. For use with 5mm sensors.	PDF	0.02



OPT2100