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HIGH PRESSURE INDUCTIVE SENSORS

PRESSURE RESISTANT UP TO 500 BAR (7,255 PSI)

Contrinex **High Pressure** inductive sensors are suitable for continuous duty at pressures up to **500 bar** (1,000 bar peak pressure), ensuring reliable sensing in the most demanding pneumatic and hydraulic applications. Available with classic metal housing or one-piece, stainless-steel construction, these sensors detect the smallest parts and are ideal for piston-control applications.

KEY ADVANTAGES

- ✓ Highest operating (500 bar / 7,255 psi) and peak pressure (1,000 bar / 14,510 psi) on the market
- ✓ Resistant to pressure cycles: 50 times longer lifetime under pressure than the market standard
- ✓ Gas-tight sensing face
- ✓ Large temperature range -25°C (-13°F) ... $+100^{\circ}\text{C}$ ($+212^{\circ}\text{F}$)
- ✓ High quality ASIC sensors with  **IO-Link** interface



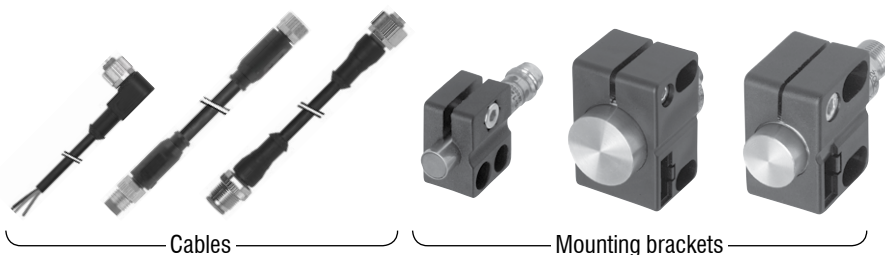
PRODUCT OVERVIEW

 **IO-Link**

Housing size mm		M5 / P5	M8 / P8	M12 / P12	M14 / P20
s _n mm	Extra Distance	1	1.5	1.5 ... 2.5	3
	Full Inox	—	—	1.5	—

ACCESSORIES

Go to page 298 to see all the accessories



INDUCTIVE SENSORS HIGH PRESSURE



COMMON FEATURES

Supply Voltage range 10 ... 30 VDC

Output PNP NO*

* Other types available: PNP NC, NPN NC

** Pigtail versions available

OUTPUT

DW-A[x]-50[x]

Connection [D] Cable [S] Connector [V] Pigtail
Output [1] NPN NO [2] NPN NC [3] PNP NO [4] PNP NC

Reference key on page 116

ACCESSORIES



A Group A: M8 3-pin
 Sub-group: Field attachable connectors
 Sub-group: Distribution boxes



B Group B: M8 4-pin



C Group C: M12 4-pin
 Sub-group: Field attachable connectors
 Sub-group: Distribution boxes



D Group D: M12 AC/DC 3-pin



E Group E: Universal mounting brackets
 Sub-group: Mechanical stops



F Group F: Photoelectric mounting brackets



G Group G: Photoelectric reflectors



H Group H: Sensor tester

Go to page 298 for details



CABLES

Cable lengths available:
 2 m, 5 m, 10 m
 other customised lengths possible

FAMILY

OPERATING DISTANCE (mm)

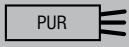
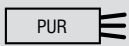
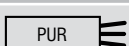
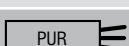
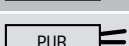
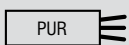
HOUSING SIZE (mm)

HOUSING LENGTH (mm)

HOUSING MATERIAL

EXTRA DISTANCE – SERIES 500

1	M5	27	Stainless steel DIN 2.4711
1.5	M8	30	Stainless steel V4A
1.5	M12	78	Stainless steel V2A
1.5	M12	47	Stainless steel V2A
1.5	M12	78	Stainless steel V2A
1.5	M12	43	Stainless steel V2A
1.5	M12	69	Stainless steel V2A
1.5	M12	93	Stainless steel V2A
1.5	M12	138	Stainless steel V2A
1.5	M12	56	Stainless steel V2A
1.5	M12	78	Stainless steel V2A
1.5	M12	56	Stainless steel V2A
1.5	M12	93	Stainless steel V2A
1.5	M12	69	Stainless steel V2A
1.5	M12	93	Stainless steel V2A
1.5	M12	138	Stainless steel V2A
1.5	M12	56	Stainless steel V2A
1.5	M12	78	Stainless steel V2A
1.5	M12	56	Stainless steel V2A
1.5	M12	93	Stainless steel V2A
2.5	M12	69	Stainless steel V2A
2.5	M12	93	Stainless steel V2A
2.5	M12	138	Stainless steel V2A
2.5	M12	56	Stainless steel V2A
2.5	M12	78	Stainless steel V2A
2.5	M12	56	Stainless steel V2A
2.5	M12	93	Stainless steel V2A
3	M14	56	Stainless steel V4A
3	M14	65	Stainless steel V4A

	CABLE **	CONNECTOR **	 IO-Link	SWITCHING FREQUENCY (Hz)	MOUNTING		AMBIENT TEMPERATURE	DEGREE OF PROTECTION	PART REFERENCE*	ACCESSORIES (SEE PAGE 80)
					EMB. 	NON-EMB. 				
			 IO-Link	1,000	Embed.		–25 ... +100°C	IP68	DW-AD-503-P5	
			 IO-Link	800	Embed.		–25 ... +100°C	IP68	DW-AD-503-P8	
				600	Embed.		–25 ... +100°C	IP68	DW-AD-503-P12-764	
			 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AD-503-P12-625	
			 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AD-503-P12-627	
			 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AD-503-P12-639	
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-50A-P12	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-50A-P12-621	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-50A-P12-622	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-50A-P12-624	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-50A-P12-627	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-50A-P12-630	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-50A-P12-635	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-503-P12	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-503-P12-621	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-503-P12-622	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-503-P12-624	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-503-P12-627	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-503-P12-630	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-503-P12-635	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-523-P12	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-523-P12-621	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-523-P12-622	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-523-P12-624	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-523-P12-627	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-523-P12-630	 
		 M12	 IO-Link	600	Embed.		–25 ... +100°C	IP68	DW-AS-523-P12-635	 
			 IO-Link	500	Embed.		–25 ... +100°C	IP68	DW-AD-503-P20	
		 M12	 IO-Link	500	Embed.		–25 ... +100°C	IP68	DW-AS-503-P20	 

INDUCTIVE SENSORS HIGH PRESSURE



COMMON FEATURES

Supply Voltage range	10 ... 30 VDC
Output	PNP NO*

* Other types available: PNP NC, NPN NC
** Pigtail versions available

OUTPUT

DW-A[x]-70[x]

Connection

[D] Cable [S] Connector [V] Pigtail

Output

[1] NPN NO [2] NPN NC [3] PNP NO [4] PNP NC

Reference key on page 116

ACCESSORIES

Group A: M8 3-pin
Sub-group: Field attachable connectors
Sub-group: Distribution boxes

Group B: M8 4-pin

Group C: M12 4-pin
Sub-group: Field attachable connectors
Sub-group: Distribution boxes

Group D: M12 AC/DC 3-pin

Group E: Universal mounting brackets
Sub-group: Mechanical stops

Group F: Photoelectric mounting brackets

Group G: Photoelectric reflectors

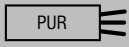
Group H: Sensor tester

Go to page 298 for details



CABLES
Cable lengths available:
2 m, 5 m, 10 m
other customised lengths possible

FAMILY	OPERATING DISTANCE (mm)	HOUSING SIZE (mm)	HOUSING LENGTH (mm)	HOUSING MATERIAL
FULL INOX – SERIES 700	1.5	M12	57.3	Stainless steel V4A
	1.5	M12	61	Stainless steel V4A

CABLE **	CONNECTOR **	IO-Link	SWITCHING FREQUENCY (Hz)	MOUNTING		AMBIENT TEMPERATURE	DEGREE OF PROTECTION	PART REFERENCE*	ACCESSORIES (SEE PAGE 82)
				EMB. 	NON-EMB. 				
			850	Embed.		–25 ... +85°C	IP68 / IP69K	DW-LD-703-P12G-003	
	 M12		850	Embed.		–25 ... +85°C	IP68 / IP69K	DW-LS-703-P12G	 

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