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ANALOG OUTPUT INDUCTIVE SENSORS

ANALOG OUTPUT FOR DISTANCE CONTROL

Best-in-class temperature stability and a measurement range of zero to 40 mm make the Contrinex **Analog Output** sensor range ideally suited for measuring linear, angular and rotational position. With detection accuracy in the micron range and the best long-range sensing capability on the market, these sensors offer world-class performance with an attractive total cost of ownership.

KEY ADVANTAGES

- ✓ Longest sensing ranges
- ✓ Best temperature stability
- ✓ Excellent repeat accuracy
- ✓ Resolution in μm range
- ✓ Current or voltage output

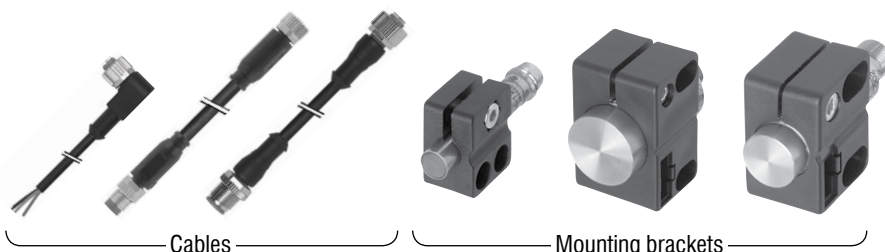


PRODUCT OVERVIEW

Housing size mm	C8	M8	M12	M18	M30
Extra Distance (s_n mm)	0 ... 4	0 ... 4	0 ... 6	0 ... 20	0 ... 40

ACCESSORIES

Go to page 298 to see all the accessories



INDUCTIVE SENSORS ANALOG OUTPUT



COMMON FEATURE

Supply Voltage range 15 ... 30 VDC

OUTPUT

DW-A[x]-50[x]
 Connection [D] Cable [S] Connector
 Output [9] Analog

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)

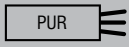
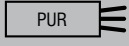
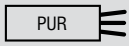
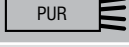
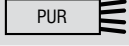
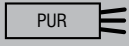
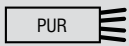
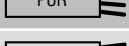
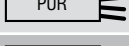
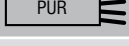
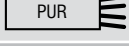
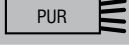
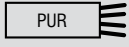
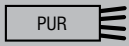
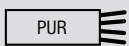
HOUSING LENGTH (mm)

HOUSING MATERIAL

EXTRA DISTANCE – SERIES 500



4	8 × 8 (C8)	50	Chrome-plated brass
4	8 × 8 (C8)	59	Chrome-plated brass
4	M8	45	Chrome-plated brass
4	M8	45	Chrome-plated brass
4	M8	60	Chrome-plated brass
4	M8	60	Chrome-plated brass
6	M12	50	Chrome-plated brass
6	M12	35	Chrome-plated brass
6	M12	35	Chrome-plated brass
6	M12	50	Chrome-plated brass
6	M12	60	Chrome-plated brass
6	M12	45	Chrome-plated brass
6	M12	45	Chrome-plated brass
6	M12	60	Chrome-plated brass
10	M18	50	Chrome-plated brass
10	M18	35	Chrome-plated brass
10	M18	35	Chrome-plated brass
10	M18	50	Chrome-plated brass
20	M18	40	Chrome-plated brass
20	M18	25	Chrome-plated brass
20	M18	25	Chrome-plated brass
20	M18	40	Chrome-plated brass
10	M18	63.5	Chrome-plated brass
10	M18	48.5	Chrome-plated brass
10	M18	48.5	Chrome-plated brass
10	M18	63.5	Chrome-plated brass
20	M18	63.5	Chrome-plated brass
20	M18	48.5	Chrome-plated brass
20	M18	48.5	Chrome-plated brass
20	M18	63.5	Chrome-plated brass

	CABLE	CONNECTOR	OUTPUT 1	OUTPUT 2	MOUNTING		AMBIENT TEMPERATURE	DEGREE OF PROTECTION	PART REFERENCE	ACCESSORIES (SEE PAGE 62)
					EMB. 	NON-EMB. 				
			0 ... 10 V	–	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-C8-390	
		 M8	0 ... 10 V	–	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-C8-390	 
			0 ... 5 V	–	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M8	 
			0 ... 10 V	–	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M8-390	 
		 M8	0 ... 5 V	–	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M8-001	  
		 M8	0 ... 10 V	–	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M8-390	  
			0 ... 5 V	1 ... 5 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M12	 
			0 ... 5 V	1 ... 5 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M12-120	 
			0 ... 10 V	–	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M12-320	 
			0 ... 10 V	4 ... 20 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M12-390	  
		 M12	0 ... 5 V	1 ... 5 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M12	 
		 M12	0 ... 5 V	1 ... 5 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M12-120	  
		 M12	0 ... 10 V	–	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M12-320	  
		 M12	0 ... 10 V	4 ... 20 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M12-390	  
			0 ... 5 V	1 ... 5 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M18	 
			0 ... 5 V	1 ... 5 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M18-120	 
			0 ... 10 V	4 ... 20 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M18-320	 
			0 ... 10 V	4 ... 20 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M18-390	 
			0 ... 5 V	1 ... 5 mA	Non-embed.		–25 ... +70°C	IP67	DW-AD-519-M18	 
			0 ... 5 V	1 ... 5 mA	Non-embed.		–25 ... +70°C	IP67	DW-AD-519-M18-120	 
			0 ... 10 V	4 ... 20 mA	Non-embed.		–25 ... +70°C	IP67	DW-AD-519-M18-320	 
			0 ... 10 V	4 ... 20 mA	Non-embed.		–25 ... +70°C	IP67	DW-AD-519-M18-390	 
		 M12	0 ... 5 V	1 ... 5 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M18-002	  
		 M12	0 ... 5 V	1 ... 5 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M18-120	  
		 M12	0 ... 10 V	4 ... 20 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M18-320	  
		 M12	0 ... 10 V	4 ... 20 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M18-390	  
		 M12	0 ... 5 V	1 ... 5 mA	Non-embed.		–25 ... +70°C	IP67	DW-AS-519-M18-002	  
		 M12	0 ... 5 V	1 ... 5 mA	Non-embed.		–25 ... +70°C	IP67	DW-AS-519-M18-120	  
		 M12	0 ... 10 V	4 ... 20 mA	Non-embed.		–25 ... +70°C	IP67	DW-AS-519-M18-320	  
		 M12	0 ... 10 V	4 ... 20 mA	Non-embed.		–25 ... +70°C	IP67	DW-AS-519-M18-390	  

INDUCTIVE SENSORS ANALOG OUTPUT



COMMON FEATURE

Supply Voltage range 15 ... 30 VDC

OUTPUT

DW-A[x]-50[x]
 Connection [D] Cable [S] Connector
 Output [9] Analog

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)

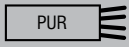
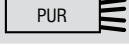
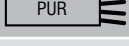
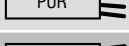
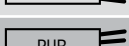
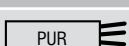
HOUSING SIZE (mm)

HOUSING LENGTH (mm)

HOUSING MATERIAL

EXTRA DISTANCE – SERIES 500

20	M30	60	Chrome-plated brass
20	M30	35	Chrome-plated brass
20	M30	35	Chrome-plated brass
20	M30	60	Chrome-plated brass
40	M30	50	Chrome-plated brass
40	M30	25	Chrome-plated brass
40	M30	25	Chrome-plated brass
40	M30	50	Chrome-plated brass
20	M30	73.5	Chrome-plated brass
20	M30	48.5	Chrome-plated brass
20	M30	48.5	Chrome-plated brass
20	M30	73.5	Chrome-plated brass
40	M30	73.5	Chrome-plated brass
40	M30	48.5	Chrome-plated brass
40	M30	48.5	Chrome-plated brass
40	M30	73.5	Chrome-plated brass

	CABLE	CONNECTOR	OUTPUT 1	OUTPUT 2	MOUNTING		AMBIENT TEMPERATURE	DEGREE OF PROTECTION	PART REFERENCE	ACCESSORIES (SEE PAGE 64)
					EMB. 	NON-EMB. 				
			0 ... 5 V	1 ... 5 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M30	
			0 ... 5 V	1 ... 5 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M30-120	
			0 ... 10 V	4 ... 10 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M30-320	
			0 ... 10 V	4 ... 20 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AD-509-M30-390	
			0 ... 5 V	1 ... 5 mA	Non-embed.		–25 ... +70°C	IP67	DW-AD-519-M30	
			0 ... 5 V	1 ... 5 mA	Non-embed.		–25 ... +70°C	IP67	DW-AD-519-M30-120	
			0 ... 10 V	4 ... 10 mA	Non-embed.		–25 ... +70°C	IP67	DW-AD-519-M30-320	
			0 ... 10 V	4 ... 20 mA	Non-embed.		–25 ... +70°C	IP67	DW-AD-519-M30-390	
		 M12	0 ... 5 V	1 ... 5 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M30-002	
		 M12	0 ... 5 V	1 ... 5 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M30-120	
		 M12	0 ... 10 V	4 ... 10 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M30-320	
		 M12	0 ... 10 V	4 ... 20 mA	Quasi-embed.		–25 ... +70°C	IP67	DW-AS-509-M30-390	
		 M12	0 ... 5 V	1 ... 5 mA	Non-embed.		–25 ... +70°C	IP67	DW-AS-519-M30-002	
		 M12	0 ... 5 V	1 ... 5 mA	Non-embed.		–25 ... +70°C	IP67	DW-AS-519-M30-120	
		 M12	0 ... 10 V	4 ... 10 mA	Non-embed.		–25 ... +70°C	IP67	DW-AS-519-M30-320	
		 M12	0 ... 10 V	4 ... 20 mA	Non-embed.		–25 ... +70°C	IP67	DW-AS-519-M30-390	

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