

EXTREME INDUCTIVE SENSORS

EXTREME DURABILITY IN HARSH ENVIRONMENTS



APPLICATION

Rugged inductive sensors confirm engagement of safety interlocks on hooklift trucks

A hooklift truck utilizes a hydraulic system for loading and unloading a demountable container. Once the container is correctly positioned on the vehicle's load bed, interlocks engage with its base, securing it in position. Rugged sensor systems detect full engagement of the interlocks, ensuring the truck is safely loaded prior to driving away. Sensors must be mechanically robust and withstand harsh outdoor conditions.

INDUSTRIES

Automotive production and supply, machine tool, maritime, vehicles, packaging, logistics, materials handling



Tools for machining metal components



Mixing, lifting and tipping mechanisms



Packaging systems



Automotive part sensing

Only the toughest sensors survive the most extreme environments. Thanks to one-piece stainless-steel (V2A/AISI 303) construction and a hermetically sealed cable entry, **Extreme** sensors are corrosion-resistant, impervious to oil, and pressure-resistant to **100 bar**. Rugged, reliable and highly accurate, the **Extreme** range is at home in the most challenging circumstances.

KEY ADVANTAGES

- ✓ Mechanically and chemically extremely robust
- ✓ Corrosion resistant
- ✓ IP68 and IP69K, water resistant
- ✓ Pressure resistant up to 100 bar (1,451 psi)
- ✓  IO-Link

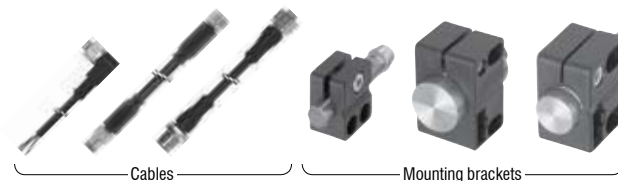


PRODUCT OVERVIEW

	 IO-Link				
Housing size mm	M8	M12	M18	M30	C23
Full Inox (s _n mm)	3 ... 6	2 ... 15	5 ... 20	10 ... 40	7

ACCESSORIES

Go to page 298 to see all the accessories



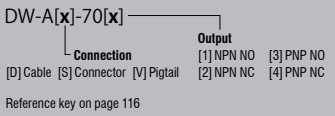


COMMON FEATURES

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

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

OUTPUT



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		CABLE **	CONNECTOR **	IO-Link	SWITCHING FREQUENCY (Hz)	MOUNTING EMB. / NON-EMB.	AMBIENT TEMPERATURE	DEGREE OF PROTECTION	PART REFERENCE*	ACCESSORIES (SEE PAGE 56)
FULL INOX – SERIES 700	3	M8	45	Stainless steel V2A		PUR		IO-Link	1,200	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AD-703-M8	E H
	3	M8	60	Stainless steel V2A			M8	IO-Link	1,200	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-703-M8-001	A E H
	6	M8	45	Stainless steel V2A		PUR		IO-Link	700	Non-embed.	−25 ... +85°C	IP68 / IP69K	DW-AD-713-M8	E H
	6	M8	60	Stainless steel V2A			M8	IO-Link	700	Non-embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-713-M8-001	A E H
	3	M8	66	Stainless steel V2A			M12	IO-Link	1,200	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-703-M8	C E H
	6	M8	66	Stainless steel V2A			M12	IO-Link	700	Non-embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-713-M8	C E H
	6	M12	50	Stainless steel V2A		PUR		IO-Link	600	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AD-703-M12	E H
	6	M12	60	Stainless steel V2A			M12	IO-Link	600	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-703-M12	C E H
	10	M12	50	Stainless steel V2A		PUR		IO-Link	400	Non-embed.	−25 ... +85°C	IP68 / IP69K	DW-AD-713-M12	E H
	10	M12	60	Stainless steel V2A			M12	IO-Link	400	Non-embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-713-M12	C E H
	2	M12	50	Stainless steel V2A		PUR		IO-Link	900	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AD-703-M12-303	E H
	2	M12	60	Stainless steel V2A			M12	IO-Link	900	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-703-M12-303	C E H
	4	M12	50	Stainless steel V2A		PUR		IO-Link	600	Non-embed.	−25 ... +85°C	IP68 / IP69K	DW-AD-713-M12-303	E H
	4	M12	60	Stainless steel V2A			M12	IO-Link	600	Non-embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-713-M12-303	C E H
	15	M12	60	Stainless steel V2A			M12	IO-Link	300	Non-embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-733-M12	C E H
	15	M12	50	Stainless steel V2A		PUR		IO-Link	300	Non-embed.	−25 ... +85°C	IP68 / IP69K	DW-AD-733-M12	E H
	15	M12	60	Stainless steel V2A			M12	IO-Link	300	Non-embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-73A-M12	C E H
	6	M12	60	Stainless steel V2A			M12	IO-Link	600	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-70A-M12	C E H
	10	M18	50	Stainless steel V2A		PUR		IO-Link	200	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AD-703-M18	E H
	10	M18	63.5	Stainless steel V2A			M12	IO-Link	200	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-703-M18-002	C E H
	20	M18	50	Stainless steel V2A		PUR		IO-Link	200	Non-embed.	−25 ... +85°C	IP68 / IP69K	DW-AD-713-M18	E H
	20	M18	63.5	Stainless steel V2A			M12	IO-Link	200	Non-embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-713-M18-002	C E H
	5	M18	50	Stainless steel V2A		PUR		IO-Link	500	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AD-703-M18-303	E H
	5	M18	63.5	Stainless steel V2A			M12	IO-Link	500	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-703-M18-303	C E H
	8	M18	63.5	Stainless steel V2A			M12	IO-Link	400	Non-embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-713-M18-303	C E H
	10	M18	35	Stainless steel V2A		PUR		IO-Link	200	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AD-703-M18-120	E H
	10	M18	48.5	Stainless steel V2A			M12	IO-Link	200	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-703-M18-120	C E H
	10	M18	35	Stainless steel V2A		PUR		IO-Link	200	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AD-703-M18-226	E H
	20	M30	50	Stainless steel V2A		PUR		IO-Link	125	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AD-703-M30	E H
	20	M30	63.5	Stainless steel V2A			M12	IO-Link	125	Embed.	−25 ... +85°C	IP68 / IP69K	DW-AS-703-M30-002	C E H

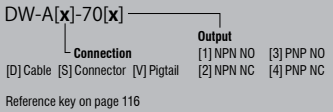


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FULL INOX – SERIES 700	40	M30	50	Stainless steel V2A			PUR		IO-Link	90	Non-embed.	–25 ... +85°C	IP68 / IP69K	DW-AD-713-M30	E H
	40	M30	63.5	Stainless steel V2A				M12	IO-Link	90	Non-embed.	–25 ... +85°C	IP68 / IP69K	DW-AS-713-M30-002	C E H
	10	M30	50	Stainless steel V2A			PUR		IO-Link	250	Embed.	–25 ... +85°C	IP68 / IP69K	DW-AD-703-M30-303	E H
	10	M30	63.5	Stainless steel V2A				M12	IO-Link	250	Embed.	–25 ... +85°C	IP68 / IP69K	DW-AS-703-M30-303	C E H
	7	32 x 20 (C23)	8	Stainless steel V2A			PVC		IO-Link	180	Embed.	–25 ... +85°C	IP68 / IP69K	DW-AD-703-C23	H