


FOR SHIPS, PORTS AND OFFSHORE



# MARITIME

## INDUCTIVE SENSORS

### KEY ADVANTAGES

- ✓ GL approved, class DNV-GL-CG-0339
- ✓ Extremely rugged sensors, fit for Industry 4.0
- ✓ Special EMC protection
- ✓ Resistant to corrosion and salt water
- ✓ Impervious, enclosure rating IP 68 or IP 69K
- ✓ Temperature range -25 ... +85°C (-13 ... +185°F)
- ✓ Full Inox types: one-piece stainless-steel housing (V4A/AISI 316L), factor 1 on steel and aluminum
- ✓ Pressure-resistance available up to 500 bar (800 bar peak)
- ✓  **IO-Link** interface

#### RANGE OVERVIEW

#### Housing size

#### Full Inox

### MARITIME

M12

p. 165

M18

p. 166

M30

p. 166-167

C23

p. 167

FAMILY

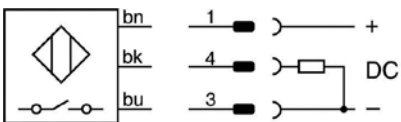
HOUSING SIZE

OPERATING DISTANCE MM

INDUCTIVE

## WIRING DIAGRAMS

PNP NO



## DATA

Housing material

Connection

Degree of protection

Mounting

Max. switching frequency

Supply voltage range

Ambient temperature range

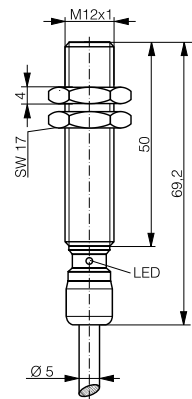
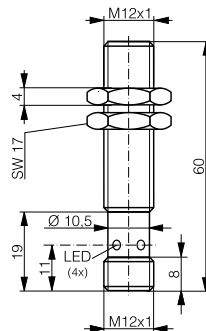
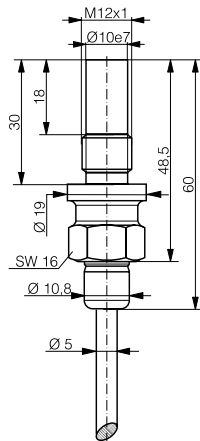
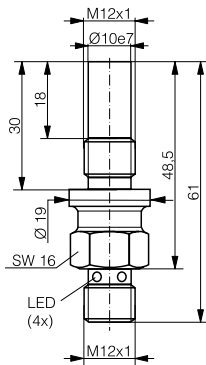
Output current

PNP NO

Other types available

# MARITIME

FULL INOX	FULL INOX	FULL INOX	FULL INOX
M12 (P12)	M12 (P12)	M12	M12
1.5	1.5	6	6



IO-Link	IO-Link	IO-Link	IO-Link
Stainless steel V4A/AISI 316L	Stainless steel V4A/AISI 316L	Stainless steel V4A/AISI 316L	Stainless steel V4A/AISI 316L
Connector S12	PUR cable	Connector S12	PUR cable
IP 68 / IP 69K	IP 68 / IP 69K	IP 68 / IP 69K	IP 68 / IP 69K
Embeddable	Embeddable	Embeddable	Embeddable
850 Hz	850 Hz	600 Hz	600 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +85°C / -13 ... +185°F	-25 ... +85°C / -13 ... +185°F	-25 ... +85°C / -13 ... +185°F	-25 ... +85°C / -13 ... +185°F
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
<b>DW-MS-703-P12G</b>	<b>DW-MD-703-P12G</b>	<b>DW-MS-703-M12</b>	<b>DW-MD-703-M12</b>

Inductive
Photoelectric
Safety
RFID
Connectivity
Accessories
Glossary
Index

# MARITIME

FAMILY

FULL INOX

FULL INOX

FULL INOX

HOUSING SIZE

M18

M18

M30

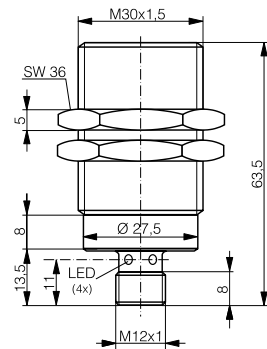
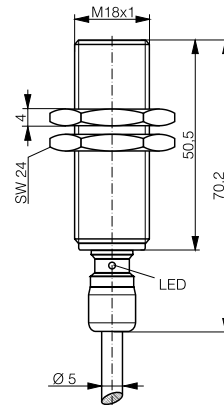
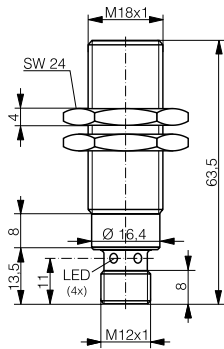
OPERATING DISTANCE MM

10

10

20

INDUCTIVE



DATA

IO-Link

IO-Link

IO-Link

Housing material

Stainless steel V4A/AISI 316L

Stainless steel V4A/AISI 316L

Stainless steel V4A/AISI 316L

Connection

Connector S12

PUR cable

Connector S12

Degree of protection

IP 68 / IP 69K

IP 68 / IP 69K

IP 68 / IP 69K

Mounting

Embeddable

Embeddable

Embeddable

Max. switching frequency

200 Hz

200 Hz

125 Hz

Supply voltage range

10 ... 30 VDC

10 ... 30 VDC

10 ... 30 VDC

Ambient temperature range

-25 ... +85°C / -13 ... +185°F

-25 ... +85°C / -13 ... +185°F

-25 ... +85°C / -13 ... +185°F

Output current

≤ 200 mA

≤ 200 mA

≤ 200 mA

PNP NO

**DW-MS-703-M18-002**

**DW-MD-703-M18**

**DW-MS-703-M30-002**

Other types available

# MARITIME

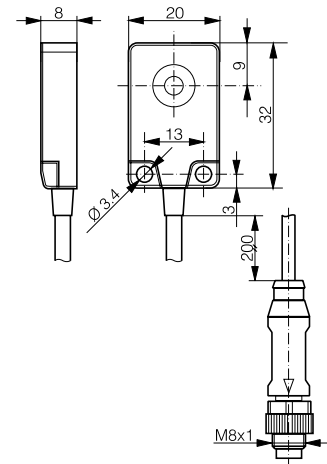
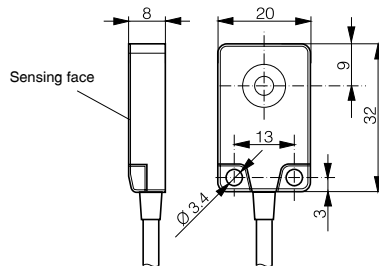
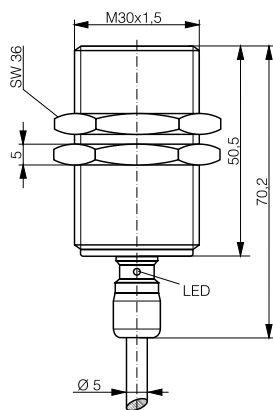
FULL INOX	FULL INOX	FULL INOX
M30	C23	C23
20	7	7

Inductive



Photoelectric

Safety



RFID

Connectivity

Accessories

IO-Link	IO-Link	IO-Link
Stainless steel V4A/AISI 316L	Stainless steel V4A/AISI 316L	Stainless steel V4A/AISI 316L
PUR cable	PVC cable	PVC cable + connector S8
IP 68 / IP 69K	IP 68 / IP 69K	IP 68 / IP 69K
Embeddable	Embeddable	Embeddable
125 Hz	180 Hz	180 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +85°C / -13 ... +185°F	-25 ... +85°C / -13 ... +185°F	-25 ... +85°C / -13 ... +185°F
≤ 200 mA	≤ 200 mA	≤ 200 mA
DW-MD-703-M30	DW-MD-703-C23	DW-MV-703-C23-276

Glossary

Index