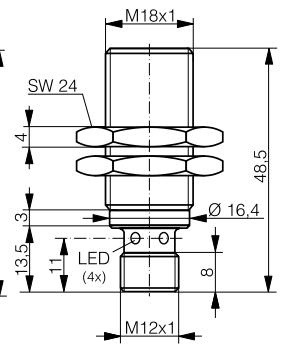
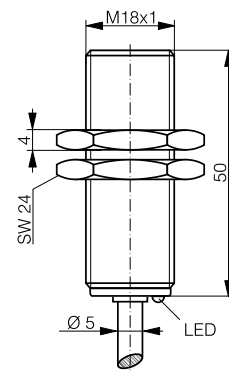
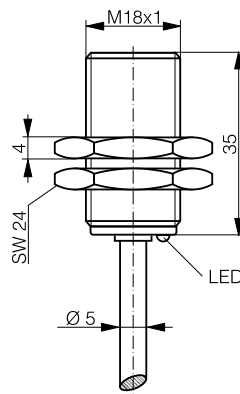
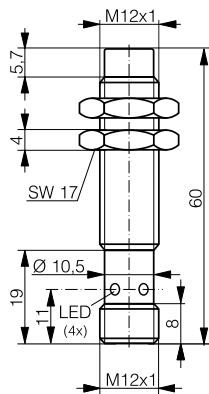


# BASIC

## INDUCTIVE

FAMILY	EXTRA DISTANCE	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE	M12	M18	M18	M18
OPERATING DISTANCE MM	10	5	5	5

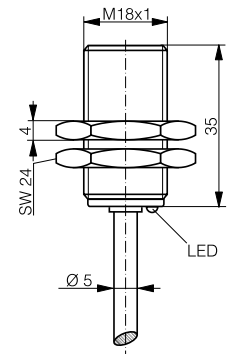
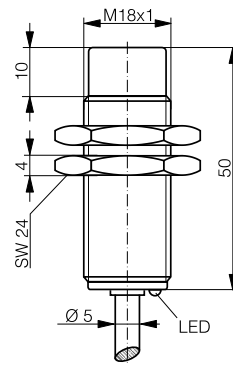
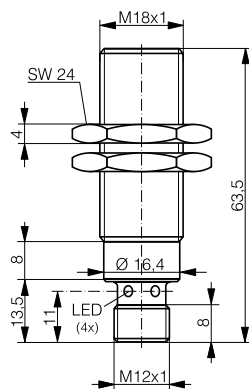
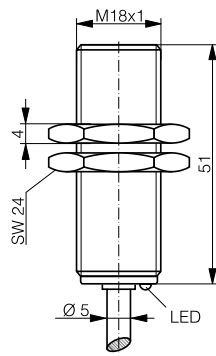
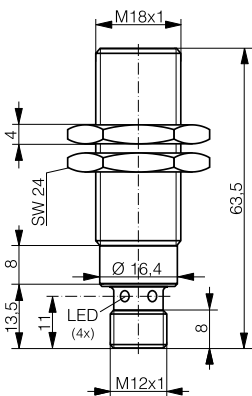


\* IO-Link available from Q4/18

DATA	*  IO-Link	IO-Link	IO-Link	IO-Link
Housing material	Chrome-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Connection	Connector S12	PVC cable	PVC cable	Connector S12
Degree of protection	IP 67	IP 67	IP 67	IP 67
Mounting	Non-embeddable	Embeddable	Embeddable	Embeddable
Max. switching frequency	400 Hz	2000 Hz	2000 Hz	2000 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25...+70°C/-13...+158°F	-25...+70°C/-13...+158°F	-25...+70°C/-13...+158°F	-25...+70°C/-13...+158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	<b>DW-AS-513-M12</b>	<b>DW-AD-603-M18-120</b>	<b>DW-AD-603-M18</b>	<b>DW-AS-603-M18-120</b>
NPN NO	<b>DW-AS-511-M12</b>	<b>DW-AD-601-M18-120</b>	<b>DW-AD-601-M18</b>	<b>DW-AS-601-M18-120</b>
PNP NC	DW-AS-514-M12		DW-AD-604-M18	
Other types available	NPN NC	PNP NC, NPN NC	NPN NC	PNP NC, NPN NC

# BASIC

CLASSICS	FULL INOX	FULL INOX	CLASSICS	CLASSICS
M18	M18	M18	M18	M18
5	5	5	8	8



Inductive

Photoelectric

Safety

RFID

Connectivity

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IO-Link	IO-Link	IO-Link	IO-Link	IO-Link
Nickel-plated brass	Stainless steel V2A	Stainless steel V2A	Nickel-plated brass	Nickel-plated brass
Connector S12	PUR cable	Connector S12	PVC cable	PVC cable
IP 67	IP 68	IP 68 & IP 69K	IP 67	IP 67
Embeddable	Embeddable	Embeddable	Non-embeddable	Embeddable
2000 Hz	100 Hz	100 Hz	2000 Hz	1500 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F	-25 ... +70°C/-13 ... +158°F
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
DW-AS-603-M18-002	DW-AD-703-M18-BAS	DW-AS-703-M18-BAS	DW-AD-613-M18	DW-AD-623-M18-120
DW-AS-601-M18-002	DW-AD-701-M18-BAS	DW-AS-701-M18-BAS	DW-AD-611-M18	DW-AD-621-M18-120
DW-AS-604-M18-002			DW-AD-614-M18	
NPN NC			NPN NC, length 35 mm	PNP NC, NPN NC

# BASIC

FAMILY

CLASSICS

CLASSICS

CLASSICS

HOUSING SIZE

M18

M18

M18

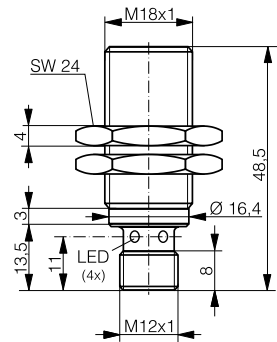
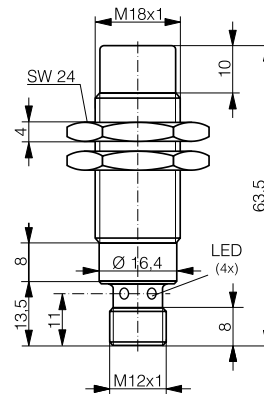
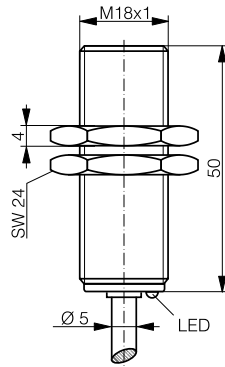
OPERATING DISTANCE MM

8

8

8

INDUCTIVE



DATA

IO-Link

IO-Link

IO-Link

Housing material

Nickel-plated brass

Nickel-plated brass

Nickel-plated brass

Connection

PVC cable

Connector S12

Connector S12

Degree of protection

IP 67

IP 67

IP 67

Mounting

Embeddable

Non-embeddable

Embeddable

Max. switching frequency

1500 Hz

2000 Hz

1500 Hz

Supply voltage range

10 ... 30 VDC

10 ... 30 VDC

10 ... 30 VDC

Ambient temperature range

-25 ... +70°C / -13 ... +158°F

-25 ... +70°C / -13 ... +158°F

-25 ... +70°C / -13 ... +158°F

Output current

≤ 200 mA

≤ 200 mA

≤ 200 mA

PNP NO

**DW-AD-623-M18**

**DW-AS-613-M18-002**

**DW-AS-623-M18-120**

NPN NO

**DW-AD-621-M18**

**DW-AS-611-M18-002**

**DW-AS-621-M18-120**

PNP NC

DW-AS-614-M18-002

Other types available

PNP NC, NPN NC

NPN NC, length 35 mm

PNP NC, NPN NC

# BASIC

CLASSICS	CLASSICS	CLASSICS	EXTRA DISTANCE
M18	M18	M18	M18
8	12	12	12

Inductive



Photoelectric

Safety

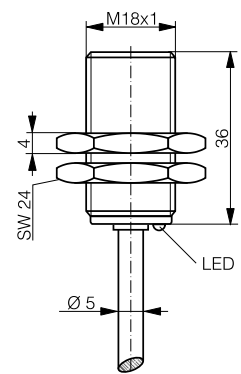
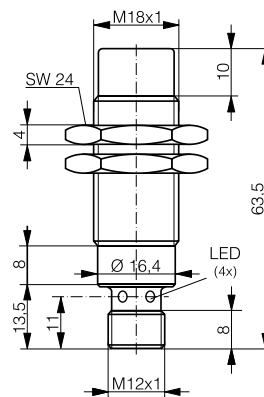
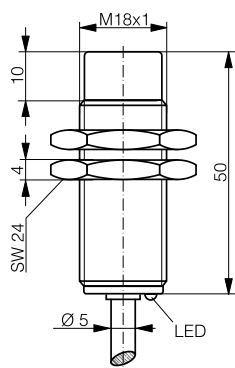
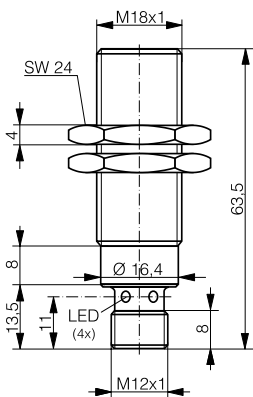
RFID

Connectivity

Accessories

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\* IO-Link available from Q4/18

IO-Link	IO-Link	IO-Link	* IO-Link
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Chrome-plated brass
Connector S12	PVC cable	Connector S12	PVC cable
IP 67	IP 67	IP 67	IP 67
Embeddable	Non-embeddable	Non-embeddable	Quasi-embeddable
1500 Hz	500 Hz	500 Hz	500 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
<b>DW-AS-623-M18-002</b>	<b>DW-AD-633-M18</b>	<b>DW-AS-633-M18-002</b>	<b>DW-AD-503-M18-120</b>
<b>DW-AS-621-M18-002</b>	<b>DW-AD-631-M18</b>	<b>DW-AS-631-M18-002</b>	<b>DW-AD-501-M18-120</b>
DW-AS-624-M18-002			
NPN NC	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC

# BASIC

FAMILY

EXTRA DISTANCE

EXTRA DISTANCE

EXTRA DISTANCE

HOUSING SIZE

M18

M18

M18

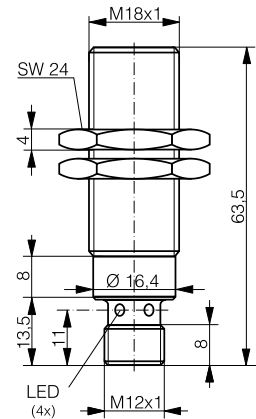
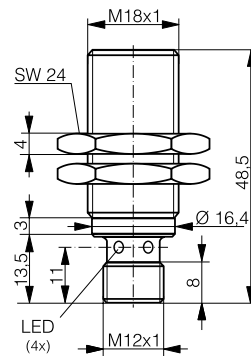
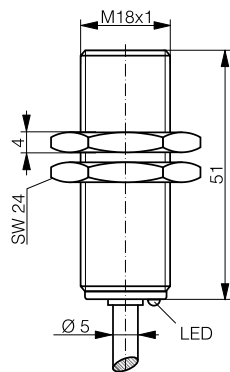
OPERATING DISTANCE MM

12

12

12

INDUCTIVE



\* IO-Link available from Q4/18

DATA	*  IO-Link	*  IO-Link	*  IO-Link
Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection	PVC cable	Connector S12	Connector S12
Degree of protection	IP 67	IP 67	IP 67
Mounting	Quasi-embeddable	Quasi-embeddable	Quasi-embeddable
Max. switching frequency	500 Hz	500 Hz	500 Hz
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	<b>DW-AD-503-M18</b>	<b>DW-AS-503-M18-120</b>	<b>DW-AS-503-M18-002</b>
NPN NO	<b>DW-AD-501-M18</b>	<b>DW-AS-501-M18-120</b>	<b>DW-AS-501-M18-002</b>
PNP NC			DW-AS-504-M18-002
Other types available	PNP NC, NPN NC	PNP NC, NPN NC	NPN NC

# BASIC

EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE
M18	M18	M18	M18
20	20	20	20

Inductive

Photoelectric

Safety

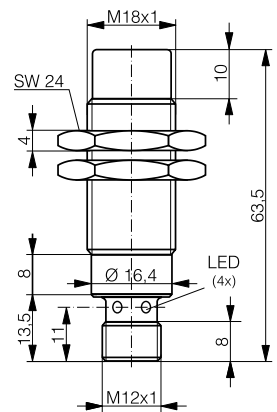
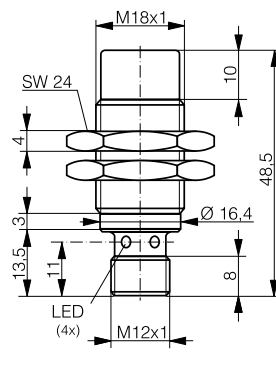
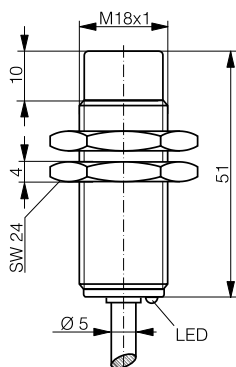
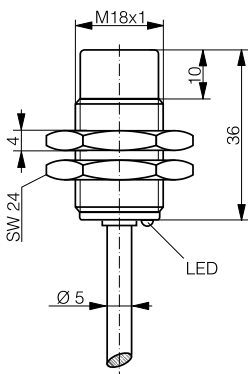
RFID

Connectivity

Accessories

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* IO-Link	* IO-Link	* IO-Link	* IO-Link
Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
PVC cable	PVC cable	Connector S12	Connector S12
IP 67	IP 67	IP 67	IP 67
Non-embeddable	Non-embeddable	Non-embeddable	Non-embeddable
200 Hz	200 Hz	200 Hz	200 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F	-25 ... +70°C / -13 ... +158°F
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
<b>DW-AD-513-M18-120</b>	<b>DW-AD-513-M18</b>	<b>DW-AS-513-M18-120</b>	<b>DW-AS-513-M18-002</b>
<b>DW-AD-511-M18-120</b>	<b>DW-AD-511-M18</b>	<b>DW-AS-511-M18-120</b>	<b>DW-AS-511-M18-002</b>
	DW-AD-514-M18		DW-AS-514-M18-002
PNP NC, NPN NC	NPN NC	PNP NC, NPN NC	NPN NC