

FULL FUNCTIONALITY, SMALLEST SIZE

MINIATURE

INDUCTIVE SENSORS

KEY ADVANTAGES

Classics, Extra Distance and Full Inox

- ✓ High quality ASIC sensors with IO-Link interface
- ✓ Smallest self-contained inductive sensors on the market
- ✓ Outstanding temperature stability from -25°C (-13°F) to +70°C (+158°F)
- ✓ High switching frequency up to 5000 Hz
- ✓ Electronics vacuum potted for optimum long-term reliability under high stress

Full Inox

- ✓ Extremely robust one-piece stainless-steel housing
- ✓ Corrosion resistant
- ✓ IP 68 and IP 69K, sea water resistant
- ✓ Pressure resistant up to 80 bar

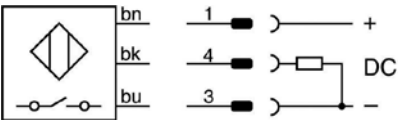
RANGE OVERVIEW	Housing size	Classics	Extra Distance	Full Inox
MINIATURE	Ø 3 mm	p. 71-72		
	M4	p. 72-73		
	Ø 4 mm	p. 73-75	p. 75	p. 75
	M5	p. 76-77	p. 77	p. 78
	C5	p. 78-79		

FAMILY	
HOUSING SIZE MM	
OPERATING DISTANCE MM	

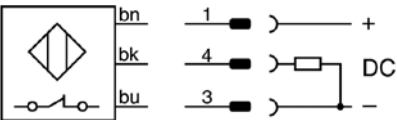
INDUCTIVE

WIRING DIAGRAMS

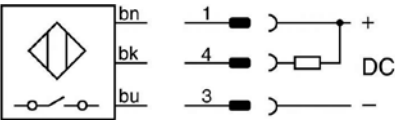
PNP NO



PNP NC

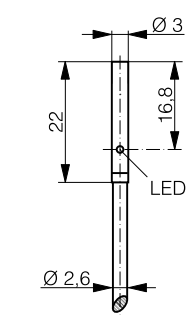
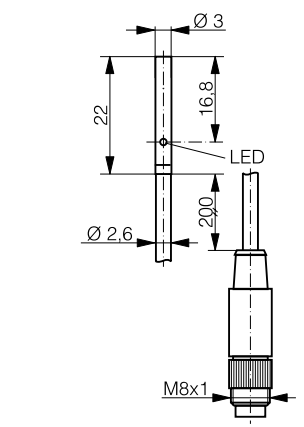
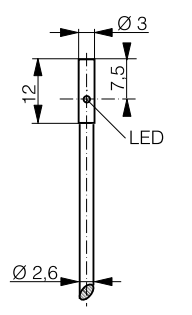
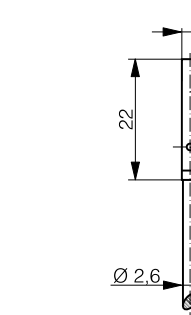


NPN NO



DATA	
Housing material	
Connection	
Degree of protection	
Mounting	
Max. switching frequency	
Supply voltage range	
Ambient temperature range	
Output current	
PNP NO	
NPN NO	
PNP NC	
Other types available	

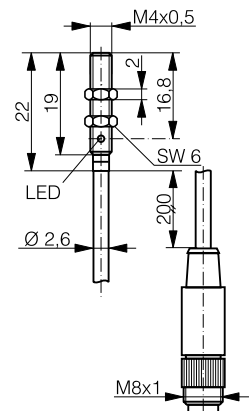
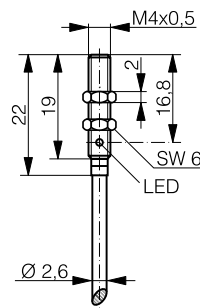
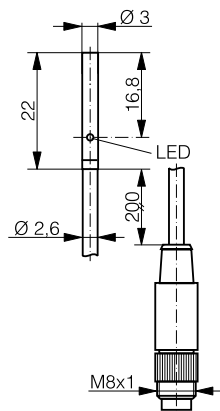
MINIATURE

CLASSICS	CLASSICS	CLASSICS	CLASSICS	Inductive
Ø 3	Ø 3	Ø 3	Ø 3	
0.6	0.6	1	1	
				Photoelectric
				Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	
PUR cable	PUR cable / Connector S8	PUR cable	PUR cable	
IP 67	IP 67	IP 67	IP 67	
Embeddable	Embeddable	Embeddable	Embeddable	
5000 Hz	5000 Hz	8000 Hz	3000 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	
≤ 100 mA	≤ 100 mA	≤ 100 mA	≤ 100 mA	
DW-AD-603-03	DW-AV-603-03-276	DW-AD-623-03-960	DW-AD-623-03	
DW-AD-601-03	DW-AV-601-03-276	DW-AD-621-03-960	DW-AD-621-03	
DW-AD-604-03				
NPN NC	PNP NC, NPN NC		PNP NC, NPN NC	

MINIATURE

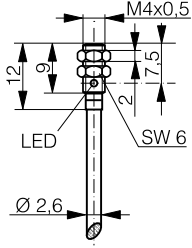
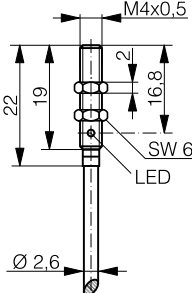
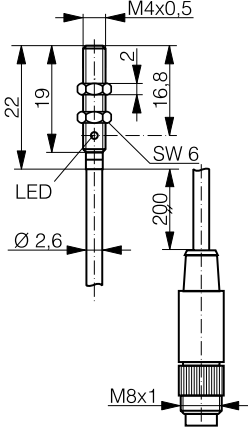
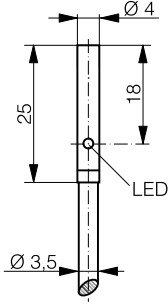
INDUCTIVE

FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE MM	Ø 3	M4	M4
OPERATING DISTANCE MM	1	0.6	0.6



DATA			
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection	PUR cable / Connector S8	PUR cable	PUR cable / Connector S8
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	3000 Hz	5000 Hz	5000 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	≤ 100 mA	≤ 100 mA	≤ 100 mA
PNP NO	DW-AV-623-03-276	DW-AD-603-M4	DW-AV-603-M4-276
NPN NO	DW-AV-621-03-276	DW-AD-601-M4	DW-AV-601-M4-276
PNP NC		DW-AD-604-M4	
Other types available	PNP NC, NPN NC	NPN NC	PNP NC, NPN NC

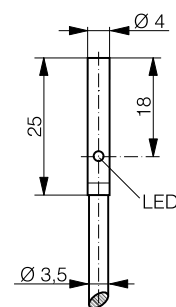
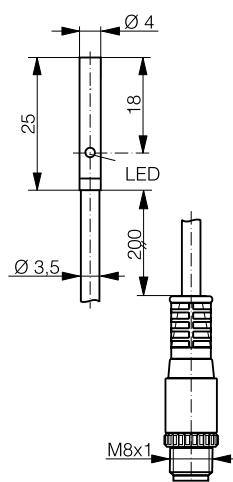
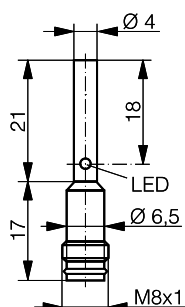
MINIATURE

CLASSICS	CLASSICS	CLASSICS	CLASSICS	Inductive
M4	M4	M4	Ø 4	
1	1	1	0.8	
				Photoelectric
				Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	
PUR cable	PUR cable	PUR cable / Connector S8	PVC cable	
IP 67	IP 67	IP 67	IP 67	
Embeddable	Embeddable	Embeddable	Embeddable	
8000 Hz	3000 Hz	3000 Hz	5000 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	
≤ 100 mA	≤ 100 mA	≤ 100 mA	≤ 200 mA	
DW-AD-623-M4-960	DW-AD-623-M4	DW-AV-623-M4-276	DW-AD-603-04	
DW-AD-621-M4-960	DW-AD-621-M4	DW-AV-621-M4-276	DW-AD-601-04	
			DW-AD-604-04	
	PNP NC, NPN NC	PNP NC, NPN NC	NPN NC	

MINIATURE

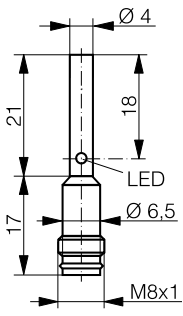
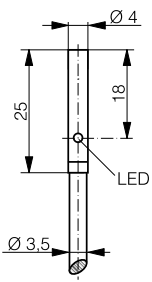
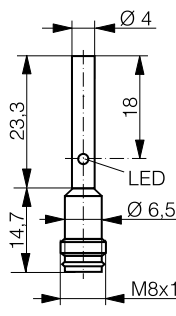
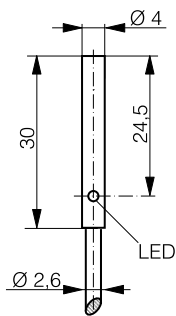
INDUCTIVE

FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE MM	Ø 4	Ø 4	Ø 4
OPERATING DISTANCE MM	0.8	0.8	1.5



DATA			
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection	Connector S8	PVC cable / Connector S8	PVC cable
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	5000 Hz	5000 Hz	3000 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-AS-603-04	DW-AV-603-04-236	DW-AD-623-04
NPN NO	DW-AS-601-04	DW-AV-601-04-236	DW-AD-621-04
PNP NC			DW-AD-624-04
Other types available	PNP NC, NPN NC	PNP NC, NPN NC	NPN NC

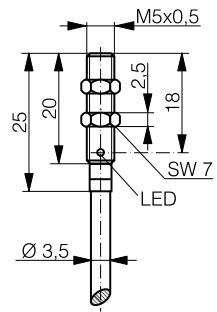
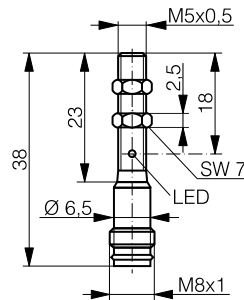
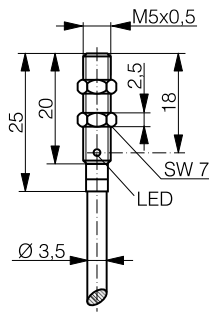
MINIATURE

CLASSICS	EXTRA DISTANCE	EXTRA DISTANCE	FULL INOX	Inductive
Ø 4	Ø 4	Ø 4	Ø 4	
1.5	2.5	2.5	3	
				Photoelectric
				Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
Stainless steel V2A	Nickel silver	Nickel silver	Stainless steel V2A	
Connector S8	PVC cable	Connector S8	PVC cable	
IP 67	IP 67	IP 67	IP 67	
Embeddable	Embeddable	Embeddable	Non-embeddable	
3000 Hz	800 Hz	800 Hz	1200 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	
DW-AS-623-04	DW-AD-503-04	DW-AS-503-04	DW-AD-713-04	
DW-AS-621-04	DW-AD-501-04	DW-AS-501-04	DW-AD-711-04	
		DW-AS-504-04		
PNP NC, NPN NC	PNP NC, NPN NC	NPN NC		

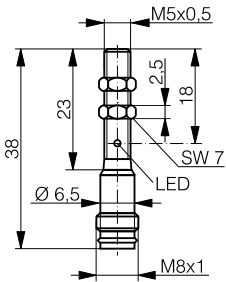
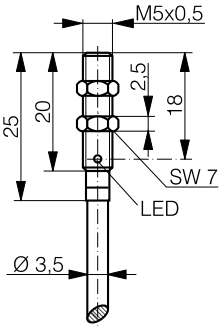
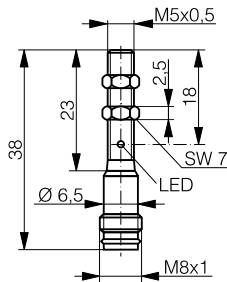
MINIATURE

INDUCTIVE

FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE MM	M5	M5	M5
OPERATING DISTANCE MM	0.8	0.8	1.5



DATA			
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection	PVC cable	Connector S8	PVC cable
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	5000 Hz	5000 Hz	3000 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-603-M5	DW-AS-603-M5	DW-AD-623-M5
NPN NO	DW-AD-601-M5	DW-AS-601-M5	DW-AD-621-M5
PNP NC	DW-AD-604-M5	DW-AS-604-M5	DW-AD-624-M5
Other types available	NPN NC	NPN NC	NPN NC

CLASSICS		EXTRA DISTANCE	EXTRA DISTANCE	Inductive
M5		M5	M5	
1.5		2.5	2.5	Photoelectric
				
				Ultrasonic
				Capacitive
				Safety
				RFID
				Connectivity
				Accessories
Stainless steel V2A		Nickel silver	Nickel silver	
Connector S8		PVC cable	Connector S8	Glossary
IP 67		IP 67	IP 67	
Embeddable		Embeddable	Embeddable	Index
3000 Hz		800 Hz	800 Hz	
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	
≤ 200 mA		≤ 200 mA	≤ 200 mA	
DW-AS-623-M5		DW-AD-503-M5	DW-AS-503-M5	
DW-AS-621-M5		DW-AD-501-M5	DW-AS-501-M5	
DW-AS-624-M5		DW-AD-504-M5	DW-AS-504-M5	
NPN NC		NPN NC	NPN NC	

MINIATURE

FAMILY

FULL INOX

CLASSICS

HOUSING SIZE MM

M5

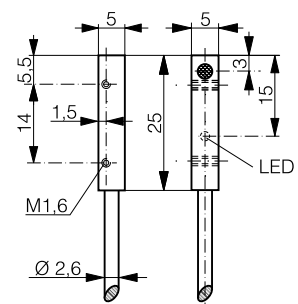
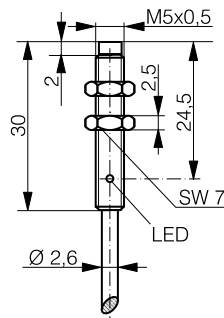
□ 5 x 5

OPERATING DISTANCE MM

3

0.8

INDUCTIVE



DATA

Housing material

Stainless steel V2A

Chrome-plated brass

Connection

PVC cable

PUR cable

Degree of protection

IP 67

IP 67

Mounting

Non-embeddable

Embeddable

Max. switching frequency

1200 Hz

5000 Hz

Supply voltage range

10 ... 30 VDC

10 ... 30 VDC

Ambient temperature range

-25 ... +70°C / -13 ... +158°F

-25 ... +70°C / -13 ... +158°F

Output current

≤ 200 mA

≤ 200 mA

PNP NO

DW-AD-713-M5

DW-AD-603-C5

NPN NO

DW-AD-711-M5

DW-AD-601-C5

PNP NC

DW-AD-604-C5

Other types available

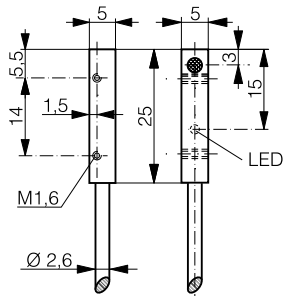
NPN NC

MINIATURE

CLASSICS

□ 5 x 5

1.5



Inductive

Photoelectric

Ultrasonic

Capacitive

Safety

RFID

Connectivity

Accessories

Glossary

Index

Chrome-plated brass

PUR cable

IP 67

Embeddable

3000 Hz

10 ... 30 VDC

-25 ... +70°C / -13 ... +158°F

≤ 200 mA

DW-AD-623-C5

DW-AD-621-C5

DW-AD-624-C5

NPN NC