

EXCELLENCE IN NORMAL ENVIRONMENTS

BASIC

INDUCTIVE SENSORS

KEY ADVANTAGES

- ✓ Exceptional price-performance ratio
- ✓ Excellent accuracy
- ✓ Outstanding temperature compensation
- ✓ Vibration and shock resistant
- ✓ Large operating distance ($2 \times S_n$)

RANGE OVERVIEW	Housing size	Classics	Extra Distance
BASIC	∅ 6.5 mm	p. 27-31	p. 31
	M8	p. 31-37, 39-40	p. 38-41
	C8	p. 41-42	p. 43
	M12	p. 43-47	p. 46-50
	M18	p. 50-53	p. 53-55
	M30	p. 55-56	p. 57-59
	C40	p. 58-60	
	C44	p. 60-61	

FAMILY

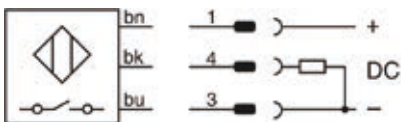
HOUSING SIZE MM

OPERATING DISTANCE MM

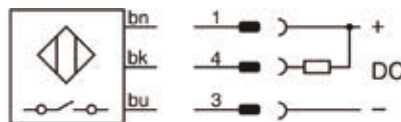
INDUCTIVE

WIRING DIAGRAMS

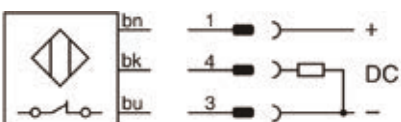
PNP NO



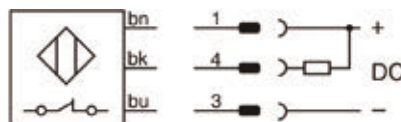
NPN NO



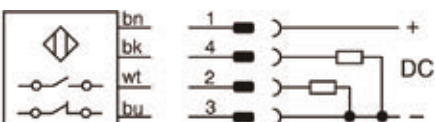
PNP NC



NPN NC



PNP Changeover



DATA

Housing material

Connection

Degree of protection

Mounting

Max. switching frequency

Supply voltage range

Ambient temperature range

Output current

Description

Part reference

Description

Part reference

Description

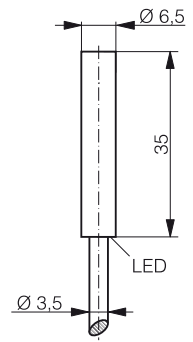
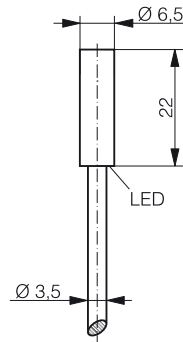
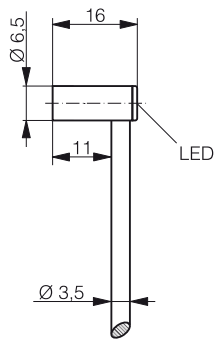
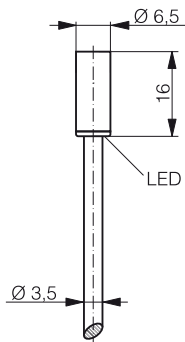
Part reference

Other types available

*Part reference change see p. 334

BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS
Ø 6.5	Ø 6.5	Ø 6.5	Ø 6.5
1.5	1.5	1.5	1.5



Stainless steel V2A

PVC cable

IP 67

Embeddable

5000 Hz

10 ... 30 VDC

-25 ... +70 °C / -13 ... +158 °F

≤ 200 mA

PNP NO

DW-AD-603-065-120*

NPN NO

DW-AD-601-065-120*

PNP NC, NPN NC



Stainless steel V2A

PVC cable

IP 67

Embeddable

5000 Hz

10 ... 30 VDC

-25 ... +70 °C / -13 ... +158 °F

≤ 200 mA

PNP NO

DW-AD-603-065-400*

NPN NO, PNP NC, NPN NC



Stainless steel V2A

PVC cable

IP 67

Embeddable

5000 Hz

10 ... 30 VDC

-25 ... +70 °C / -13 ... +158 °F

≤ 200 mA

PNP NO

DW-AD-603-065-121

NPN NO, PNP NC, NPN NC



Stainless steel V2A

PVC cable

IP 67

Embeddable

5000 Hz

10 ... 30 VDC

-25 ... +70 °C / -13 ... +158 °F

≤ 200 mA

PNP NO

DW-AD-603-065

NPN NO

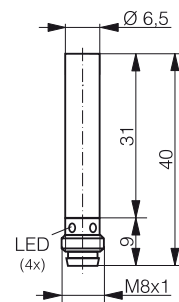
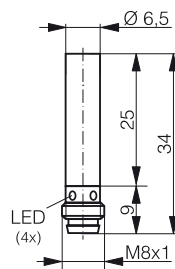
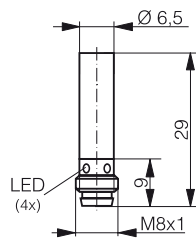
DW-AD-601-065




PNP NC, NPN NC, length 30 mm

BASIC

INDUCTIVE

FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE MM	Ø 6.5	Ø 6.5	Ø 6.5
OPERATING DISTANCE MM	1.5	1.5	1.5

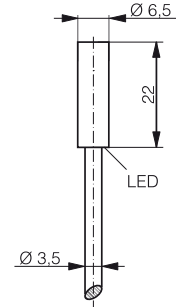
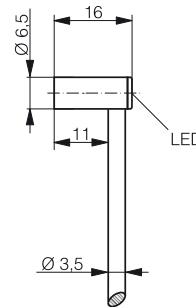
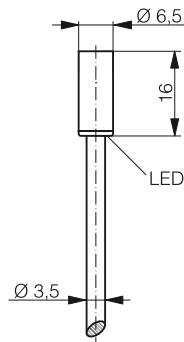
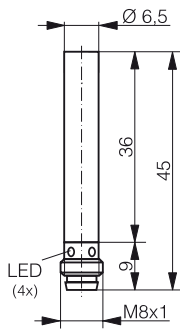


DATA			
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection	Connector S8	Connector S8	Connector S8
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	5000 Hz	5000 Hz	5000 Hz
Supply voltage range	10 ... 30 VDC	10 ... 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	≤ 200 mA	≤ 200 mA	≤ 200 mA
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AS-603-065-129*	DW-AS-603-065-123	DW-AS-603-065-124
Description	NPN NO		
Part reference	DW-AS-601-065-129*		
Description	PNP NC		
Part reference	DW-AS-604-065-129*		
Other types available	NPN NC	NPN NO, PNP NC, NPN NC	NPN NO, PNP NC, NPN NC

*Part reference change see p. 334

BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS
Ø 6.5	Ø 6.5	Ø 6.5	Ø 6.5
1.5	2	2	2

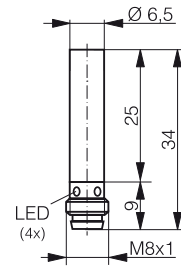
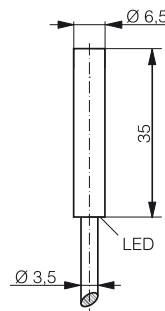
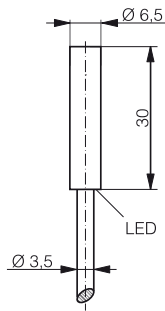





Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connector S8	PVC cable	PVC cable	PVC cable
IP 67	IP 67	IP 67	IP 67
Embeddable	Embeddable	Embeddable	Embeddable
5000 Hz	5000 Hz	5000 Hz	5000 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	PNP NO	PNP NO	PNP NO
DW-AS-603-065-001	DW-AD-623-065-120	DW-AD-623-065-400	DW-AD-623-065-121
		NPN NO	NPN NO
		DW-AD-621-065-400	DW-AD-621-065-121
NPN NO, PNP NC, NPN NC, connector S12	NPN NO, PNP NC, NPN NC	PNP NC, NPN NC	NPN NC

BASIC

INDUCTIVE

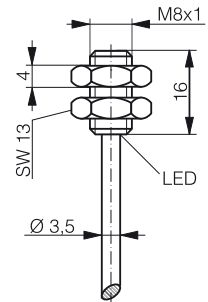
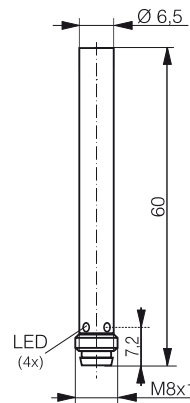
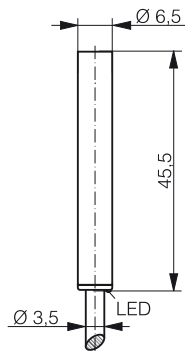
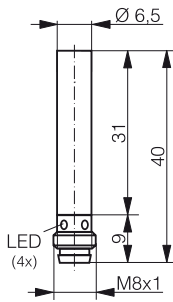
FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE MM	Ø 6.5	Ø 6.5	Ø 6.5
OPERATING DISTANCE MM	2	2	2



DATA			
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection	PVC cable	PVC cable	Connector S8
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	5000 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	≤ 200 mA	≤ 200 mA	≤ 200 mA
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AD-623-065-122	DW-AD-623-065	DW-AS-623-065-123
Description			
Part reference			
Description			
Part reference			
Other types available	NPN NO, PNP NC, NPN NC	NPN NO, PNP NC, NPN NC	NPN NO, PNP NC, NPN NC, length 29 mm
*Part reference change see p. 334			

BASIC

CLASSICS	EXTRA DISTANCE	EXTRA DISTANCE	CLASSICS
Ø 6.5	Ø 6.5	Ø 6.5	M8
2	3	3	1.5

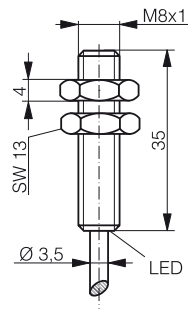
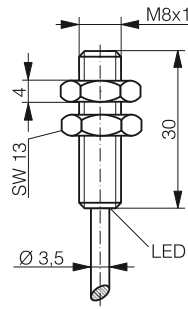
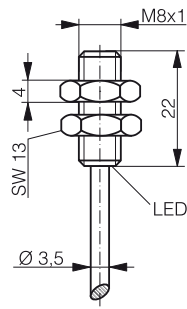





Stainless steel V2A	Chrome-plated brass	Chrome-plated brass	Stainless steel V2A
Connector S8	PVC cable	Connector S8	PVC cable
IP 67	IP 67	IP 67	IP 67
Embeddable	Quasi-embeddable	Quasi-embeddable	Embeddable
5000 Hz	1000 Hz	1000 Hz	5000 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	PNP NO	PNP NO	PNP NO
DW-AS-623-065-124	DW-AD-503-065	DW-AS-503-065-001	DW-AD-603-M8-120*
	NPN NO		NPN NO
	DW-AD-501-065		DW-AD-601-M8-120*
NPN NO, PNP NC, NPN NC, length 45 mm, connector S12	PNP NC, NPN NC	NPN NO, PNP NC, NPN NC	PNP NC, NPN NC

BASIC

INDUCTIVE

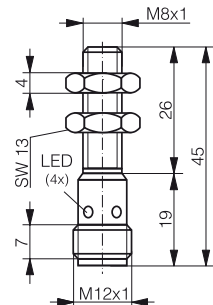
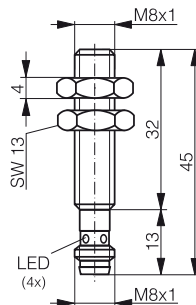
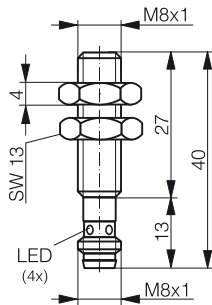
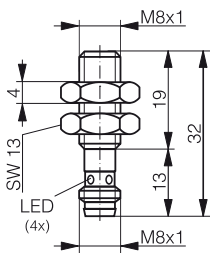
FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE MM	M8	M8	M8
OPERATING DISTANCE MM	1.5	1.5	1.5



DATA			
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection	PVC cable	PVC cable	PVC cable
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	5000 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	≤ 200 mA	≤ 200 mA	≤ 200 mA
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AD-603-M8-121	DW-AD-603-M8-122	DW-AD-603-M8
Description		NPN NO	NPN NO
Part reference		DW-AD-601-M8-122	DW-AD-601-M8
Description			
Part reference			
Other types available	PNP NC, NPN NC	PNP NC, NPN NC	PNP NC, NPN NC

BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS
M8	M8	M8	M8
1.5	1.5	1.5	1.5

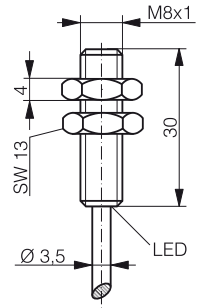
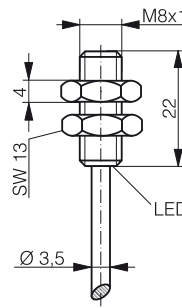
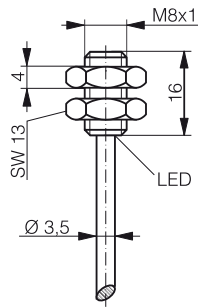


Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connector S8	Connector S8	Connector S8	Connector S12
IP 67	IP 67	IP 67	IP 67
Embeddable	Embeddable	Embeddable	Embeddable
5000 Hz	5000 Hz	5000 Hz	5000 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	PNP NO	PNP NO	PNP NO
DW-AS-603-M8-123	DW-AS-603-M8-124	DW-AS-603-M8-001	DW-AS-603-M8
		NPN NO	NPN NO
		DW-AS-601-M8-001	DW-AS-601-M8
		PNP NC	
		DW-AS-604-M8-001	
NPN NO, PNP NC, NPN NC	NPN NO, PNP NC, NPN NC	NPN NC	PNP NC, NPN NC, length 39 mm

BASIC

INDUCTIVE

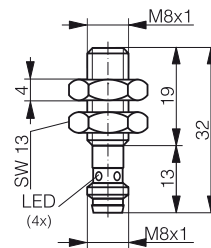
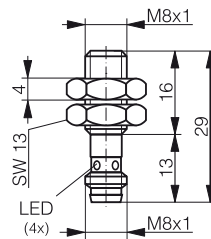
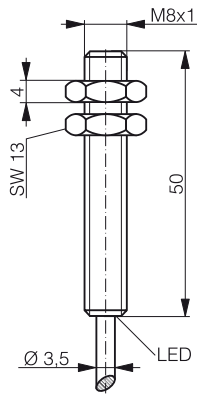
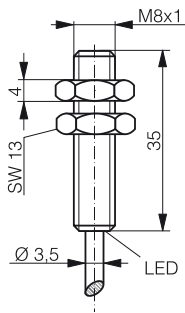
FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE	M8	M8	M8
OPERATING DISTANCE MM	2	2	2



DATA			
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection	PVC cable	PVC cable	PVC cable
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	5000 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	≤ 200 mA	≤ 200 mA	≤ 200 mA
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AD-623-M8-120	DW-AD-623-M8-121	DW-AD-623-M8-122
Description	NPN NO	NPN NO	
Part reference	DW-AD-621-M8-120	DW-AD-621-M8-121	
Description	NPN NC		
Part reference	DW-AD-622-M8-120		
Other types available	PNP NC	PNP NC	NPN NO, PNP NC, NPN NC

BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS
M8	M8	M8	M8
2	2	2	2

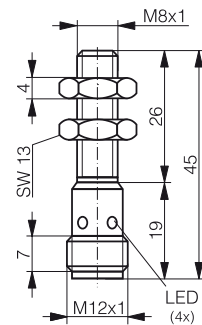
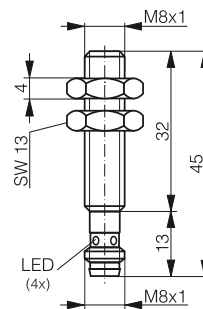
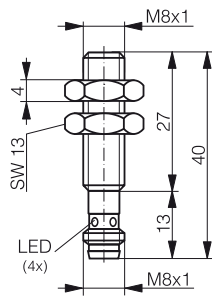





Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
PVC cable	PVC cable	Connector S8	Connector S8
IP 67	IP 67	IP 67	IP 67
Embeddable	Embeddable	Embeddable	Embeddable
5000 Hz	5000 Hz	5000 Hz	5000 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	PNP NO	PNP NO	PNP NO
DW-AD-623-M8	DW-AD-623-M8-177	DW-AS-623-M8-129	DW-AS-623-M8-123
NPN NO			NPN NO
DW-AD-621-M8			DW-AS-621-M8-123
PNP NC, NPN NC	NPN NO, PNP NC, NPN NC	NPN NO, PNP NC, NPN NC	PNP NC, NPN NC

BASIC

INDUCTIVE

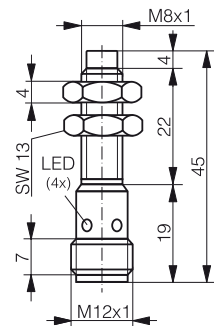
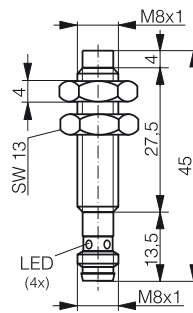
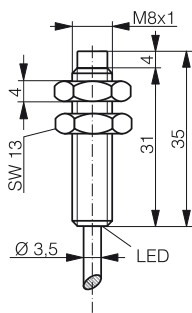
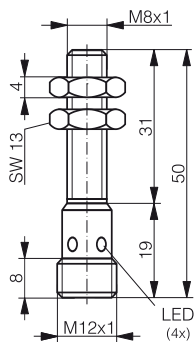
FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE	M8	M8	M8
OPERATING DISTANCE MM	2	2	2



DATA			
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection	Connector S8	Connector S8	Connector S12
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	5000 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	≤ 200 mA	≤ 200 mA	≤ 200 mA
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AS-623-M8-124	DW-AS-623-M8-001	DW-AS-623-M8
Description	NPN NO	NPN NO	NPN NO
Part reference	DW-AS-621-M8-124	DW-AS-621-M8-001	DW-AS-621-M8
Description		PNP NC	
Part reference		DW-AS-624-M8-001	
Other types available	PNP NC, NPN NC	NPN NC	PNP NC, NPN NC

BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS
M8	M8	M8	M8
2	2.5	2.5	2.5

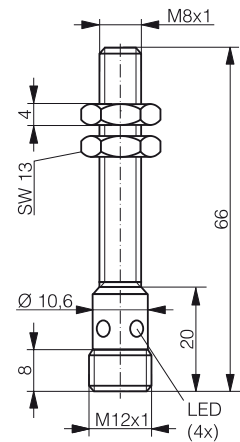
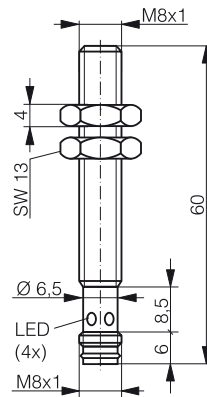
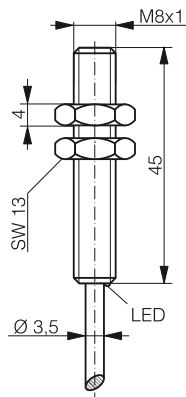





Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connector S12	PVC cable	Connector S8	Connector S12
IP 67	IP 67	IP 67	IP 67
Embeddable	Non-embeddable	Non-embeddable	Non-embeddable
5000 Hz	4500 Hz	4500 Hz	4500 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +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
PNP NO	PNP NO	PNP NO	PNP NO
DW-AS-623-M8-193	DW-AD-613-M8	DW-AS-613-M8-001	DW-AS-613-M8
	NPN NO		
	DW-AD-611-M8		
NPN NO, PNP NC, NPN NC	PNP NC, NPN NC, lengths 22 & 30 mm	NPN NO, PNP NC, NPN NC, lengths 32 & 40 mm	NPN NO, PNP NC, NPN NC

BASIC

INDUCTIVE

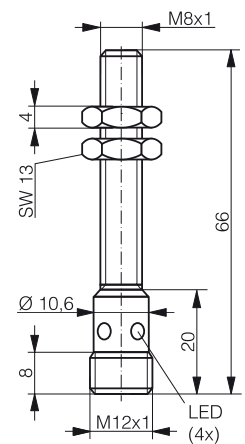
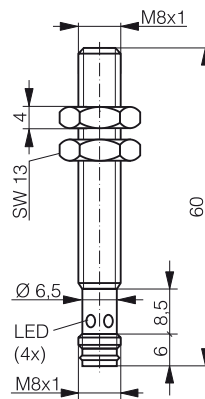
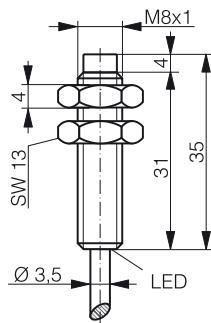
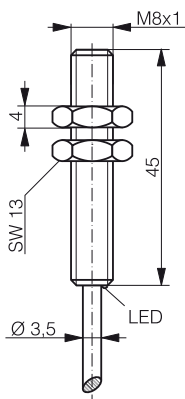
FAMILY	EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	M8	M8	M8
OPERATING DISTANCE MM	3	3	3



DATA			
Housing material	Chrome-plated nickel silver	Chrome-plated nickel silver	Chrome-plated nickel silver
Connection	PVC cable	Connector S8	Connector S12
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	1000 Hz	1000 Hz	1000 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
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AD-503-M8	DW-AS-503-M8-001	DW-AS-503-M8
Description	NPN NO	NPN NO	NPN NO
Part reference	DW-AD-501-M8	DW-AS-501-M8-001	DW-AS-501-M8
Description		PNP NC	
Part reference		DW-AS-504-M8-001	
Other types available	PNP NC, NPN NC, length 35 mm	NPN NC	PNP NC, NPN NC

BASIC

EXTRA DISTANCE	CLASSICS	EXTRA DISTANCE	EXTRA DISTANCE
M8	M8	M8	M8
4	4	4	4

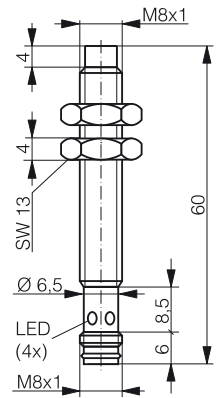
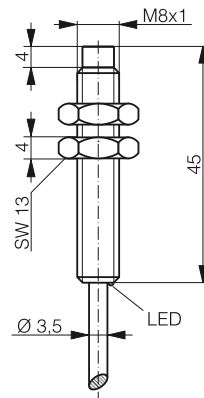
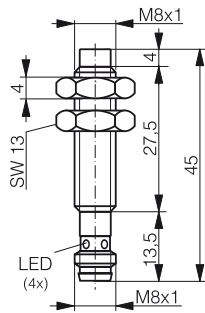





Chrome-plated nickel silver	Stainless steel V2A	Chrome-plated nickel silver	Chrome-plated nickel silver
PVC cable	PVC cable	Connector S8	Connector S12
IP 67	IP 67	IP 67	IP 67
Embeddable	Non-embeddable	Embeddable	Embeddable
500 Hz	3500 Hz	500 Hz	500 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 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
PNP NO	PNP NO	PNP NO	PNP NO
DW-AD-523-M8	DW-AD-633-M8	DW-AS-523-M8-001	DW-AS-523-M8
NPN NO	NPN NO		
DW-AD-521-M8	DW-AD-631-M8		
PNP NC, NPN NC, length 35 mm	PNP NC, NPN NC	NPN NO, PNP NC, NPN NC	NPN NO, PNP NC, NPN NC

BASIC

INDUCTIVE

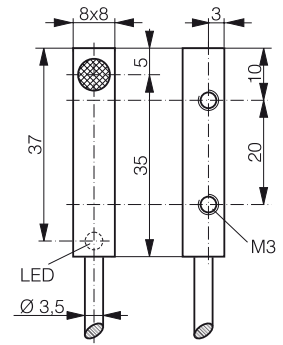
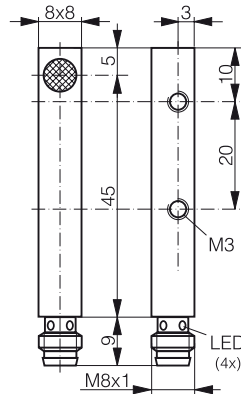
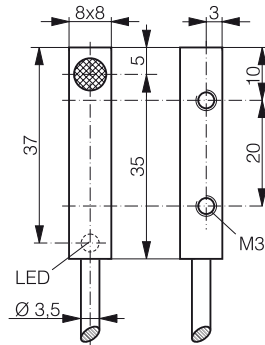
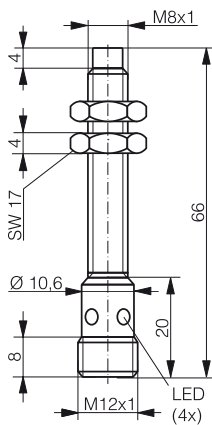
FAMILY	CLASSICS	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	M8	M8	M8
OPERATING DISTANCE MM	4	6	6



DATA			
Housing material	Stainless steel V2A	Chrome-plated brass	Chrome-plated brass
Connection	Connector S8	PVC cable	Connector S8
Degree of protection	IP 67	IP 67	IP 67
Mounting	Non-embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	3500 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
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AS-633-M8-001	DW-AD-513-M8	DW-AS-513-M8-001
Description		NPN NO	PNP NC
Part reference		DW-AD-511-M8	DW-AS-514-M8-001
Description			
Part reference			
Other types available	NPN NO, PNP NC, NPN NC	PNP NC, NPN NC, length 35 mm	NPN NO, NPN NC

BASIC

EXTRA DISTANCE	CLASSICS	CLASSICS	CLASSICS
M8	□ 8 x 8	□ 8 x 8	□ 8 x 8
6	1.5	1.5	2



Chrome-plated brass

Connector S12

IP 67

Non-embeddable

500 Hz

10 ... 30 VDC

-25 ... +70 °C / -13 ... +158 °F

≤ 200 mA

PNP NO

DW-AS-513-M8

NPN NO

DW-AS-511-M8

PNP NC, NPN NC



Zamak

PVC cable

IP 67

Embeddable

3500 Hz

10 ... 30 VDC

-25 ... +70 °C / -13 ... +158 °F

≤ 200 mA

PNP NO

DW-AD-603-C8

PNP NC, NPN NO, NPN NC



Zamak

Connector S8

IP 67

Embeddable

3500 Hz

10 ... 30 VDC

-25 ... +70 °C / -13 ... +158 °F

≤ 200 mA

PNP NO

DW-AS-603-C8-001

PNP NC, NPN NO, NPN NC



Zamak

PVC cable

IP 67

Embeddable

5000 Hz

10 ... 30 VDC

-25 ... +70 °C / -13 ... +158 °F

≤ 200 mA

PNP NO

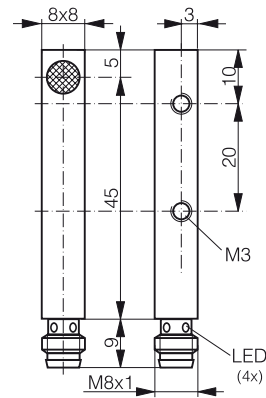
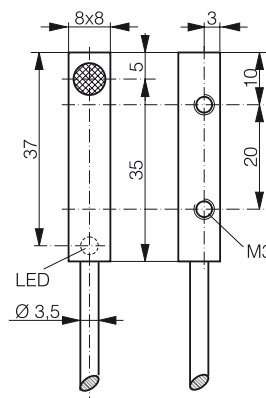
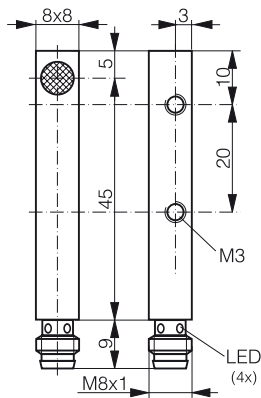
DW-AD-623-C8




PNP NC, NPN NO, NPN NC

BASIC

INDUCTIVE

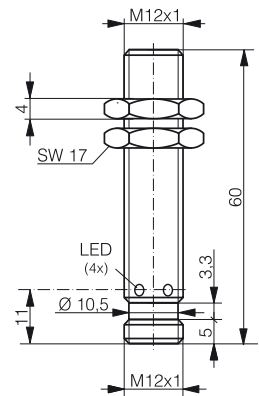
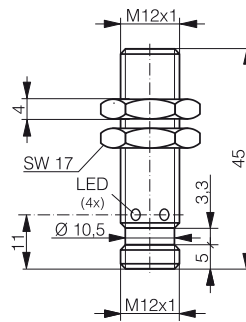
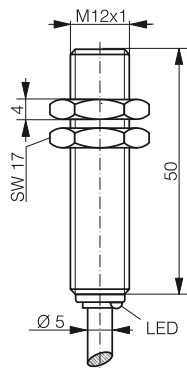
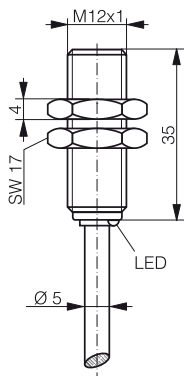
FAMILY	CLASSICS	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	□ 8 x 8	□ 8 x 8	□ 8 x 8
OPERATING DISTANCE MM	2	3	3



DATA			
Housing material	Zamak	Zamak	Zamak
Connection	Connector S8	PVC cable	Connector S8
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Quasi-embeddable	Quasi-embeddable
Max. switching frequency	5000 Hz	1000 Hz	1000 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
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AS-623-C8-001	DW-AD-503-C8	DW-AS-503-C8
Description		PNP NC	
Part reference		DW-AD-504-C8	
Description			
Part reference			
Other types available	NPN NO, PNP NC, NPN NC	NPN NO, NPN NC	NPN NO, PNP NC, NPN NC

BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS
M12	M12	M12	M12
2	2	2	2

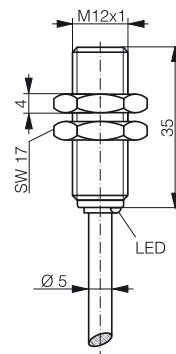
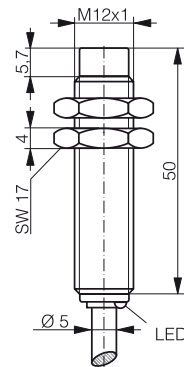
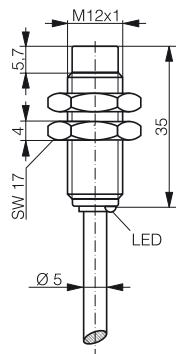





Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
PVC cable	PVC cable	Connector S12	Connector S12
IP 67	IP 67	IP 67	IP 67
Embeddable	Embeddable	Embeddable	Embeddable
3000 Hz	3000 Hz	3000 Hz	3000 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F	-25 ... +70 °C / -13 ... +158 °F
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
PNP NO	PNP NO	PNP NO	PNP NO
DW-AD-603-M12-120	DW-AD-603-M12	DW-AS-603-M12-120	DW-AS-603-M12
NPN NO	NPN NO	NPN NO	NPN NO
DW-AD-601-M12-120	DW-AD-601-M12	DW-AS-601-M12-120	DW-AS-601-M12
		PNP NC	PNP NC
		DW-AS-604-M12-120	DW-AS-604-M12
PNP NC, NPN NC	PNP NC, NPN NC	NPN NC	NPN NC

BASIC

INDUCTIVE

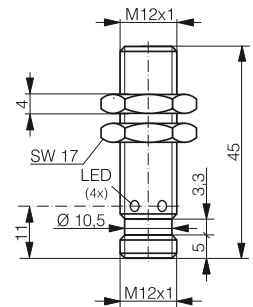
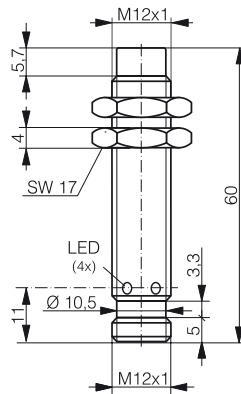
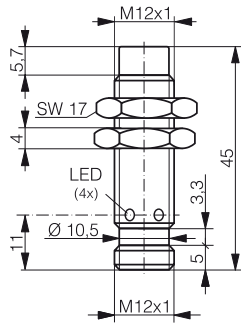
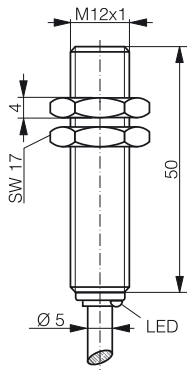
FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE	M12	M12	M12
OPERATING DISTANCE MM	4	4	4



DATA			
Housing material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Connection	PVC cable	PVC cable	PVC cable
Degree of protection	IP 67	IP 67	IP 67
Mounting	Non-embeddable	Non-embeddable	Embeddable
Max. switching frequency	2000 Hz	2000 Hz	2500 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
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AD-613-M12-120	DW-AD-613-M12	DW-AD-623-M12-120
Description	NPN NO	NPN NO	
Part reference	DW-AD-611-M12-120	DW-AD-611-M12	
Description			
Part reference			
Other types available	PNP NC, NPN NC	PNP NC, NPN NC	NPN NO, PNP NC, NPN NC

BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS
M12	M12	M12	M12
4	4	4	4

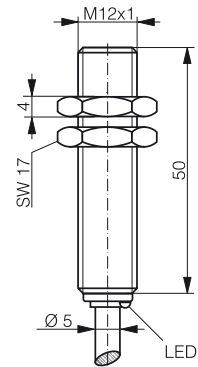
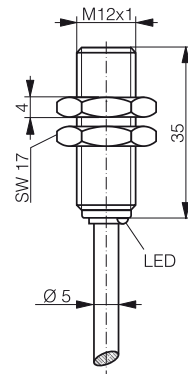
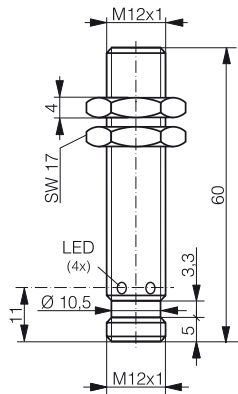





Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
PVC cable	Connector S12	Connector S12	Connector S12
IP 67	IP 67	IP 67	IP 67
Embeddable	Non-embeddable	Non-embeddable	Embeddable
2500 Hz	2000 Hz	2000 Hz	2500 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +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
PNP NO	PNP NO	PNP NO	PNP NO
DW-AD-623-M12	DW-AS-613-M12-120	DW-AS-613-M12	DW-AS-623-M12-120
NPN NO		NPN NO	NPN NO
DW-AD-621-M12		DW-AS-611-M12	DW-AS-621-M12-120
		PNP NC	PNP NC
		DW-AS-614-M12	DW-AS-624-M12-120
PNP NC, NPN NC	NPN NO, PNP NC, NPN NC	NPN NC	NPN NC

BASIC

INDUCTIVE

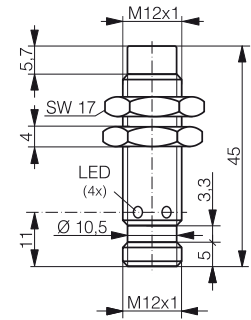
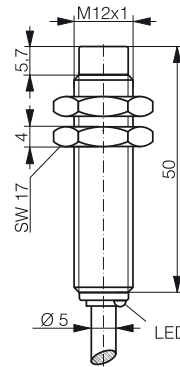
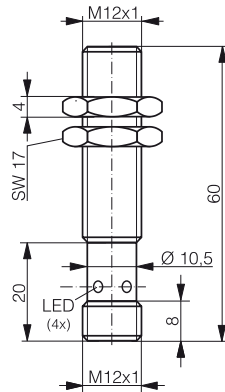
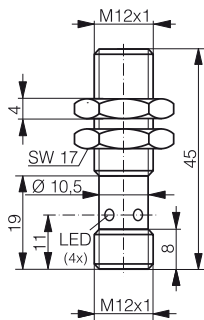
FAMILY	CLASSICS	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	M12	M12	M12
OPERATING DISTANCE MM	4	6	6



DATA			
Housing material	Nickel-plated brass	Chrome-plated brass	Chrome-plated brass
Connection	Connector S12	PVC cable	PVC cable
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Quasi-embeddable	Quasi-embeddable
Max. switching frequency	2500 Hz	800 Hz	800 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
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AS-623-M12	DW-AD-503-M12-120	DW-AD-503-M12
Description	NPN NO		NPN NO
Part reference	DW-AS-621-M12		DW-AD-501-M12
Description	PNP NC		
Part reference	DW-AS-624-M12		
Other types available	NPN NC	NPN NO, PNP NC, NPN NC	PNP NC, NPN NC

BASIC

EXTRA DISTANCE	EXTRA DISTANCE	CLASSICS	CLASSICS
M12	M12	M12	M12
6	6	8	8

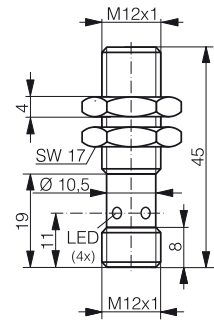
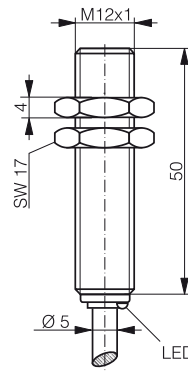
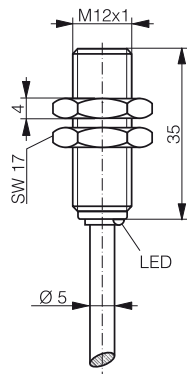





Chrome-plated brass	Chrome-plated brass	Nickel-plated brass	Nickel-plated brass
Connector S12	Connector S12	PVC cable	Connector S12
IP 67	IP 67	IP 67	IP 67
Quasi-embeddable	Quasi-embeddable	Non-embeddable	Non-embeddable
800 Hz	800 Hz	1,400 Hz	1,400 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 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
PNP NO	PNP NO	PNP NO	PNP NO
DW-AS-503-M12-120	DW-AS-503-M12	DW-AD-633-M12	DW-AS-633-M12-120
NPN NO	NPN NO	NPN NO	NPN NO
DW-AS-501-M12-120	DW-AS-501-M12	DW-AD-631-M12	DW-AS-631-M12-120
	PNP NC	PNP NC	PNP NC
	DW-AS-504-M12	DW-AD-634-M12	DW-AS-634-M12-120
PNP NC, NPN NC	NPN NC	NPN NC, length 35 mm	NPN NC, length 60 mm

BASIC

INDUCTIVE

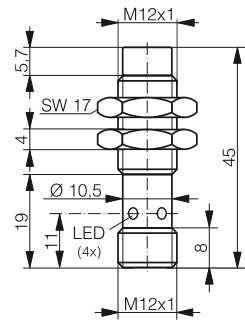
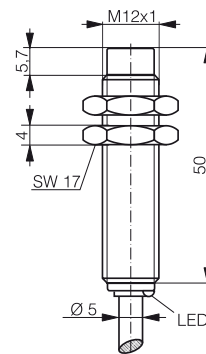
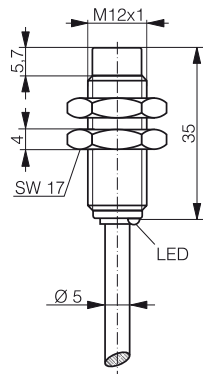
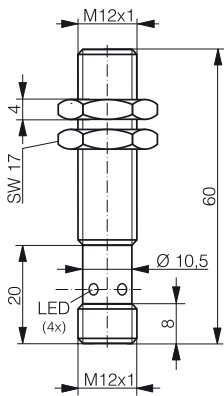
FAMILY	EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	M12	M12	M12
OPERATING DISTANCE MM	8	8	8



DATA			
Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection	PVC cable	PVC cable	Connector S12
Degree of protection	IP 67	IP 67	IP 67
Mounting	Quasi-embeddable	Quasi-embeddable	Quasi-embeddable
Max. switching frequency	400 Hz	400 Hz	400 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
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AD-523-M12-120	DW-AD-523-M12	DW-AS-523-M12-120
Description			
Part reference			
Description			
Part reference			
Other types available	NPN NO, PNP NC, NPN NC	NPN NO, PNP NC, NPN NC	NPN NO, PNP NC, NPN NC

BASIC

EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE
M12	M12	M12	M12
8	10	10	10

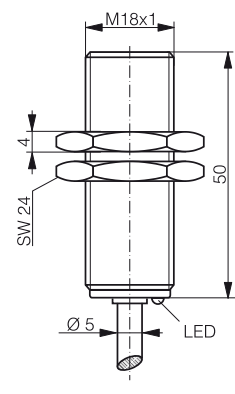
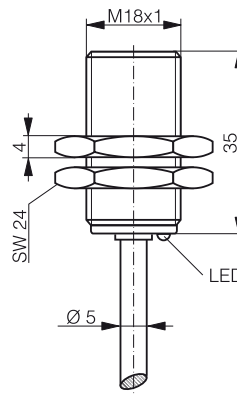
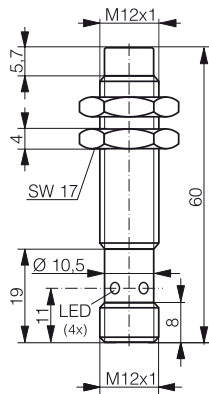





Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connector S12	PVC cable	PVC cable	Connector S12
IP 67	IP 67	IP 67	IP 67
Quasi-embeddable	Non-embeddable	Non-embeddable	Non-embeddable
400 Hz	400 Hz	400 Hz	400 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +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
PNP NO	PNP NO	PNP NO	PNP NO
DW-AS-523-M12	DW-AD-513-M12-120	DW-AD-513-M12	DW-AS-513-M12-120
NPN NO		NPN NO	
DW-AS-521-M12		DW-AD-511-M12	
PNP NC, NPN NC	NPN NO, PNP NC, NPN NC	PNP NC, NPN NC	NPN NO, PNP NC, NPN NC

BASIC

INDUCTIVE

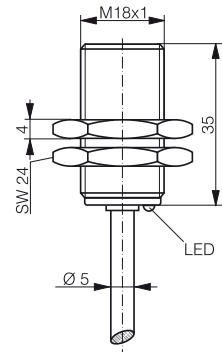
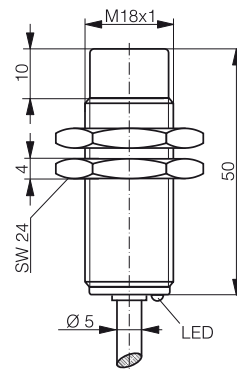
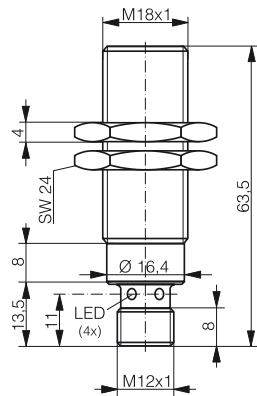
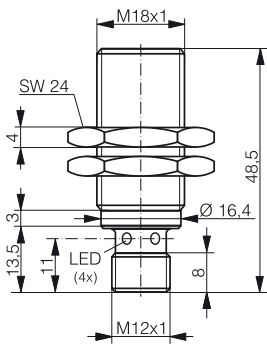
FAMILY	EXTRA DISTANCE	CLASSICS	CLASSICS
HOUSING SIZE	M12	M18	M18
OPERATING DISTANCE MM	10	5	5



DATA			
Housing material	Chrome-plated brass	Nickel-plated brass	Nickel-plated brass
Connection	Connector S12	PVC cable	PVC cable
Degree of protection	IP 67	IP 67	IP 67
Mounting	Non-embeddable	Embeddable	Embeddable
Max. switching frequency	400 Hz	2000 Hz	2000 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
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AS-513-M12	DW-AD-603-M18-120	DW-AD-603-M18
Description	NPN NO		NPN NO
Part reference	DW-AS-511-M12		DW-AD-601-M18
Description	PNP NC		PNP NC
Part reference	DW-AS-514-M12		DW-AD-604-M18
Other types available	NPN NC	NPN NO, PNP NC, NPN NC	NPN NC

BASIC

CLASSICS	CLASSICS	CLASSICS	CLASSICS
M18	M18	M18	M18
5	5	8	8



Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Connector S12	Connector S12	PVC cable	PVC cable
IP 67	IP 67	IP 67	IP 67
Embeddable	Embeddable	Non-embeddable	Quasi-embeddable
2000 Hz	2000 Hz	2000 Hz	1500 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
PNP NO	PNP NO	PNP NO	PNP NO
DW-AS-603-M18-120	DW-AS-603-M18-002	DW-AD-613-M18	DW-AD-623-M18-120
	NPN NO	NPN NO	
	DW-AS-601-M18-002	DW-AD-611-M18	
	PNP NC		
	DW-AS-604-M18-002		
NPN NO, PNP NC, NPN NC	NPN NC	PNP NC, NPN NC	NPN NO, PNP NC, NPN NC

BASIC

FAMILY

CLASSICS

CLASSICS

CLASSICS

HOUSING SIZE

M18

M18

M18

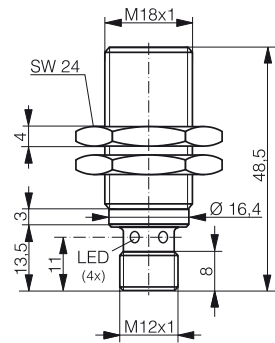
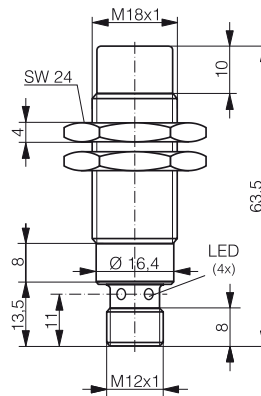
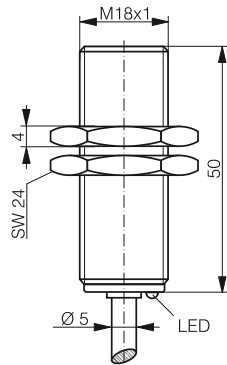
OPERATING DISTANCE MM

8

8

8

INDUCTIVE



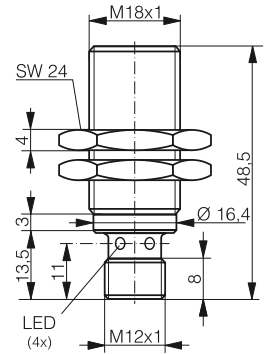
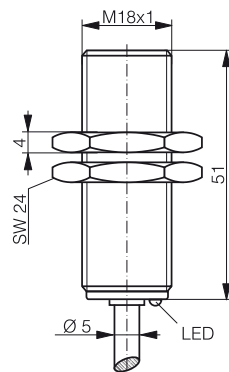
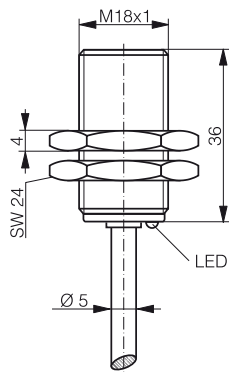
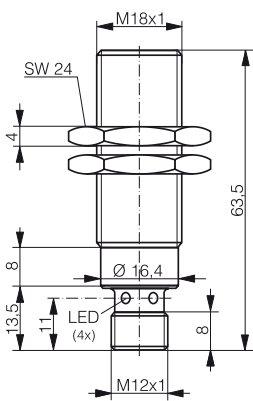
DATA



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	Quasi-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
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AD-623-M18	DW-AS-613-M18-002	DW-AS-623-M18-120
Description		PNP NC	
Part reference		DW-AS-614-M18-002	
Description			
Part reference			
Other types available	NPN NO, PNP NC, NPN NC	NPN NO, NPN NC	NPN NO, PNP NC, NPN NC

BASIC

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

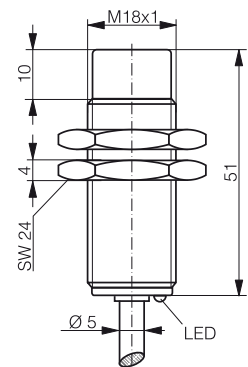
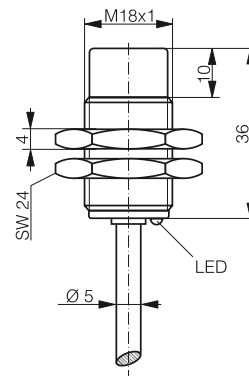
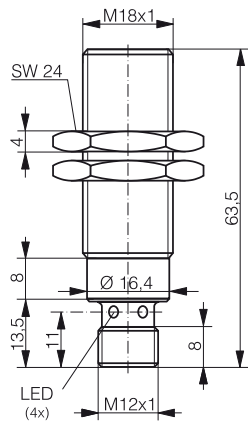


Nickel-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connector S12	PVC cable	PVC cable	Connector S12
IP 67	IP 67	IP 67	IP 67
Embeddable	Quasi-embeddable	Quasi-embeddable	Quasi-embeddable
1500 Hz	500 Hz	500 Hz	500 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +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
PNP NO	PNP NO	PNP NO	PNP NO
DW-AS-623-M18-002	DW-AD-503-M18-120	DW-AD-503-M18	DW-AS-503-M18-120
PNP NC		NPN NO	
DW-AS-624-M18-002		DW-AD-501-M18	
NPN NC, NPN NO	NPN NO, PNP NC, NPN NC	PNP NC, NPN NC	NPN NO, PNP NC, NPN NC

BASIC

INDUCTIVE

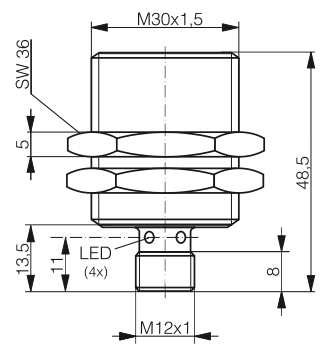
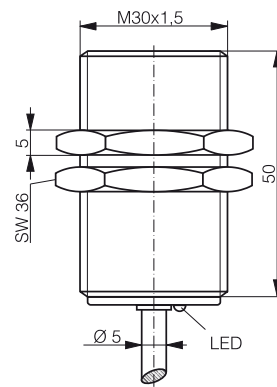
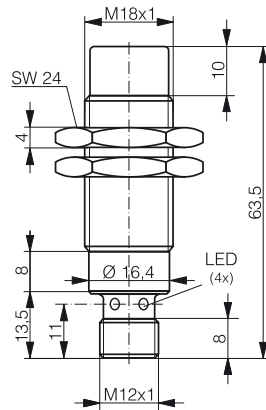
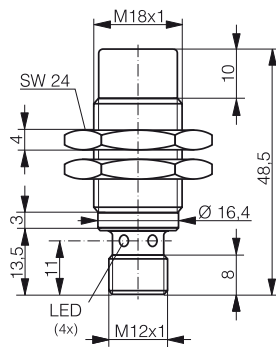
FAMILY	EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	M18	M18	M18
OPERATING DISTANCE MM	12	20	20



DATA			
Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection	Connector S12	PVC cable	PVC cable
Degree of protection	IP 67	IP 67	IP 67
Mounting	Quasi-embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	500 Hz	200 Hz	200 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
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AS-503-M18-002	DW-AD-513-M18-120	DW-AD-513-M18
Description	NPN NO		NPN NO
Part reference	DW-AS-501-M18-002		DW-AD-511-M18
Description	PNP NC		PNP NC
Part reference	DW-AS-504-M18-002		DW-AD-514-M182
Other types available	NPN NC	NPN NO, PNP NC, NPN NC	NPN NC

BASIC

EXTRA DISTANCE	EXTRA DISTANCE	CLASSICS	CLASSICS
M18	M18	M30	M30
20	20	10	10

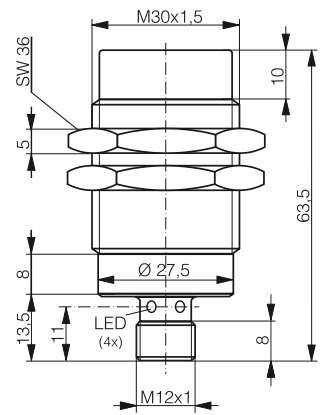
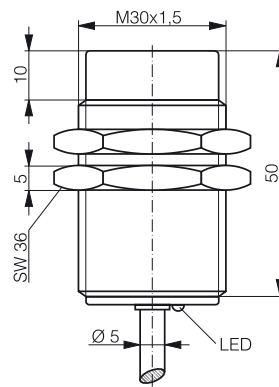
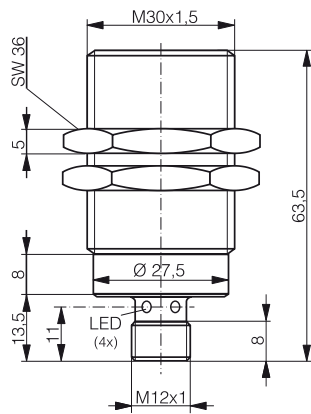





Chrome-plated brass	Chrome-plated brass	Nickel-plated brass	Nickel-plated brass
Connector S12	Connector S12	PVC cable	Connector S12
IP 67	IP 67	IP 67	IP 67
Non-embeddable	Non-embeddable	Embeddable	Embeddable
200 Hz	200 Hz	1200 Hz	1200 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +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
PNP NO	PNP NO	PNP NO	PNP NO
DW-AS-513-M18-120	DW-AS-513-M18-002	DW-AD-603-M30	DW-AS-603-M30-120
	NPN NO		
	DW-AS-511-M18-002		
	PNP NC		
	DW-AS-514-M18-002		
NPN NO, PNP NC, NPN NC	NPN NC	NPN NO, PNP NC, NPN NC	NPN NO, PNP NC, NPN NC

BASIC

INDUCTIVE

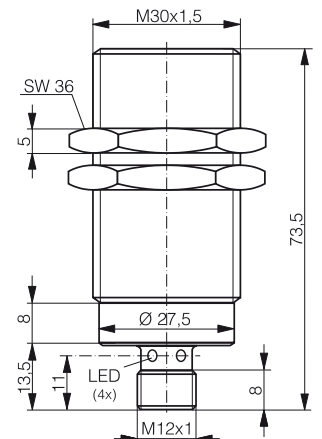
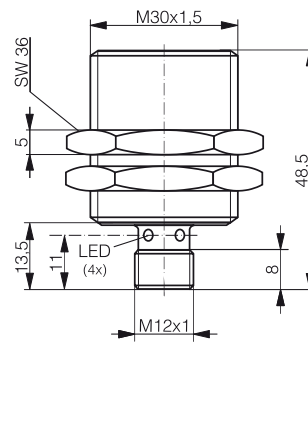
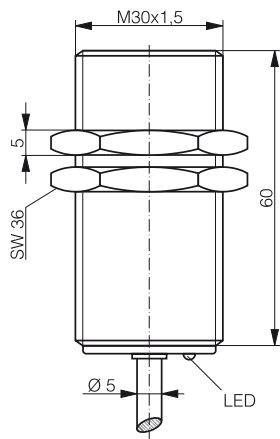
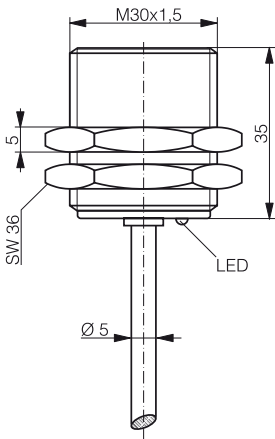
FAMILY	CLASSICS	CLASSICS	CLASSICS
HOUSING SIZE	M30	M30	M30
OPERATING DISTANCE MM	10	15	15



DATA			
Housing material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Connection	Connector S12	PVC cable	Connector S12
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	1200 Hz	700 Hz	700 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
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AS-603-M30-002	DW-AD-613-M30	DW-AS-613-M30-002
Description			
Part reference			
Description			
Part reference			
Other types available	NPN NO, PNP NC, NPN NC	NPN NO, PNP NC, NPN NC	NPN NO, PNP NC, NPN NC

BASIC

EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE
M30	M30	M30	M30
22	22	22	22

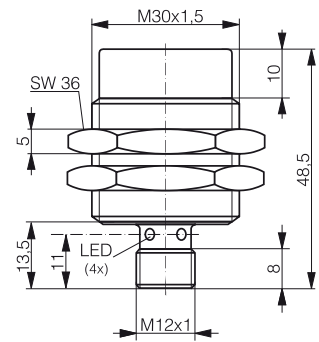
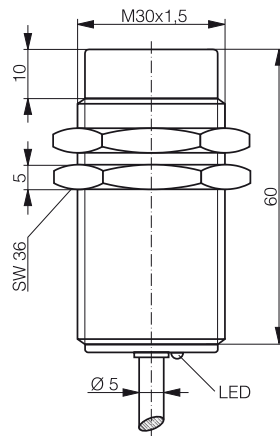
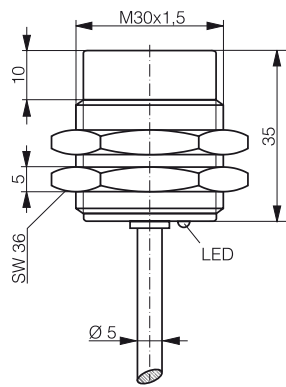





Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
PVC cable	PVC cable	Connector S12	Connector S12
IP 67	IP 67	IP 67	IP 67
Quasi-embeddable	Quasi-embeddable	Quasi-embeddable	Quasi-embeddable
200 Hz	200 Hz	200 Hz	200 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-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
PNP NO	PNP NO	PNP NO	PNP NO
DW-AD-503-M30-120	DW-AD-503-M30	DW-AS-503-M30-120	DW-AS-503-M30-002
	NPN NO		NPN NO
	DW-AD-501-M30		DW-AS-501-M30-002
	PNP NC		PNP NC
	DW-AD-504-M30		DW-AS-504-M30-002
NPN NO, PNP NC, NPN NC	NPN NC	NPN NO, PNP NC, NPN NC	NPN NC

BASIC

INDUCTIVE

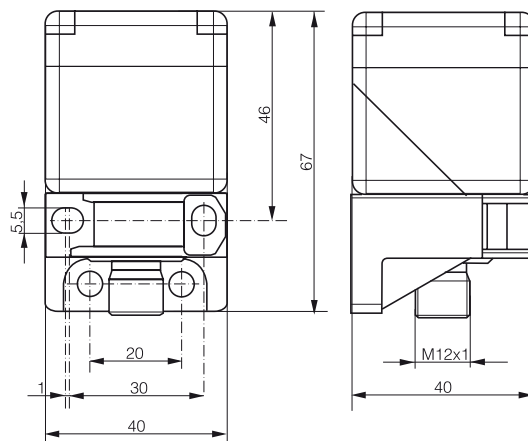
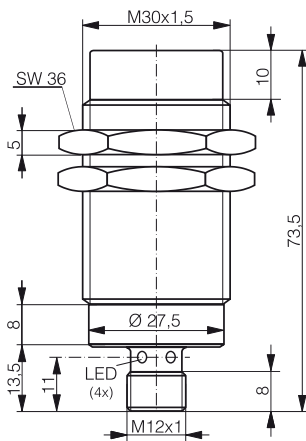
FAMILY	EXTRA DISTANCE	EXTRA DISTANCE	EXTRA DISTANCE
HOUSING SIZE	M30	M30	M30
OPERATING DISTANCE MM	40	40	40







DATA			
Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection	PVC cable	PVC cable	Connector S12
Degree of protection	IP 67	IP 67	IP 67
Mounting	Non-embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	100 Hz	100 Hz	100 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
Description	PNP NO	PNP NO	PNP NO
Part reference	DW-AD-513-M30-120	DW-AD-513-M30	DW-AS-513-M30-120
Description		NPN NO	
Part reference		DW-AD-511-M30	
Description			
Part reference			
Other types available	PNP NC, NPN NC, NPN NC	NPN NO, PNP NC	NPN NO, PNP NC, NPN NC

BASIC

EXTRA DISTANCE	CLASSICS	CLASSICS	CLASSICS
M30	□ 40 x 40	□ 40 x 40	□ 40 x 40
40	15	20	30



			
Chrome-plated brass	PA GF	PA GF	PA GF
Connector S12	Connector S12	Connector S12	Connector S12
IP 67	IP 68 / IP 69K	IP 68 / IP 69K	IP 68 / IP 69K
Non-embeddable	Embeddable	Embeddable	Non-embeddable
100 Hz	100 Hz	100 Hz	100 Hz
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +70 °C / -13 ... +158 °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
PNP NO	PNP Changeover	PNP Changeover	PNP Changeover
DW-AS-513-M30-002	DW-AS-60A-C44	DW-AS-62A-C44	DW-AS-61A-C44
NPN NO			
DW-AS-511-M30-002			
PNP NC			
DW-AS-514-M30-002			
NPN NC	-	-	-

BASIC

FAMILY

CLASSICS

CLASSICS

HOUSING SIZE

□ 40 x 40

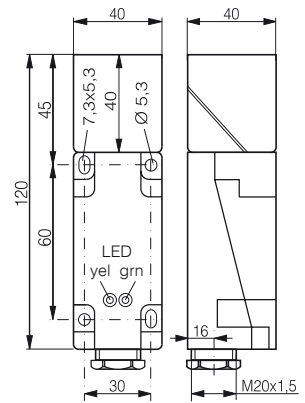
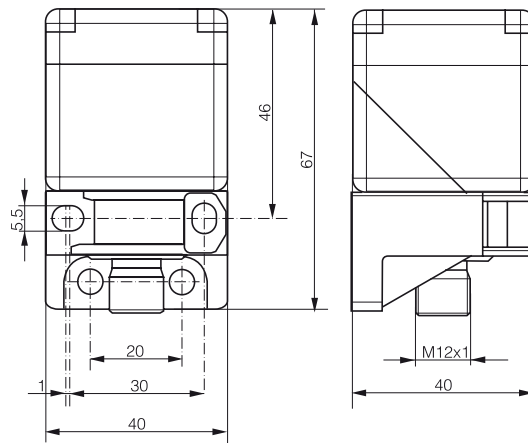
□ 40 x 120

OPERATING DISTANCE MM

40

15

INDUCTIVE



Sensing face can be rotated to 5 different sides.

DATA



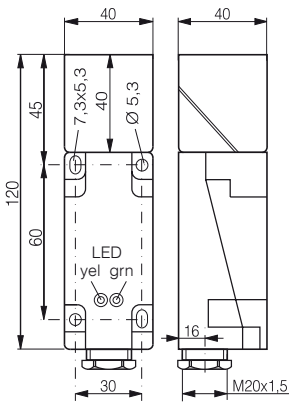
Housing material	PA GF	PBTP
Connection	Connector S12	Screw terminal
Degree of protection	IP 68 / IP 69K	IP 65
Mounting	Non-embeddable	Embeddable
Max. switching frequency	100 Hz	100 Hz
Supply voltage range	10 ... 30 VDC	15 ... 34 VDC
Ambient temperature range	-25 ... +85 °C / -13 ... +185 °F	-25 ... +85 °C / -13 ... +185 °F
Output current	≤ 200 mA	≤ 200 mA / ≤ 150 mA
Description	PNP Changeover	PNP NO
Part reference	DW-AS-63A-C44	DW-AD-603-C40
Description		
Part reference		
Description		
Part reference		
Other types available	-	NPN NO

BASIC

CLASSICS

□ 40 x 120

40



Sensing face can be rotated to 5 different sides.



PBTP

Screw terminal

IP 65

Non-embeddable

20 Hz

10 ... 65 VDC

-25 ... +85 °C / -13 ... +185 °F

≤ 300 mA

PNP NO

DW-AD-613-C40*

NPN NO, PNP NC, NPN NC

* NO/NC switchable