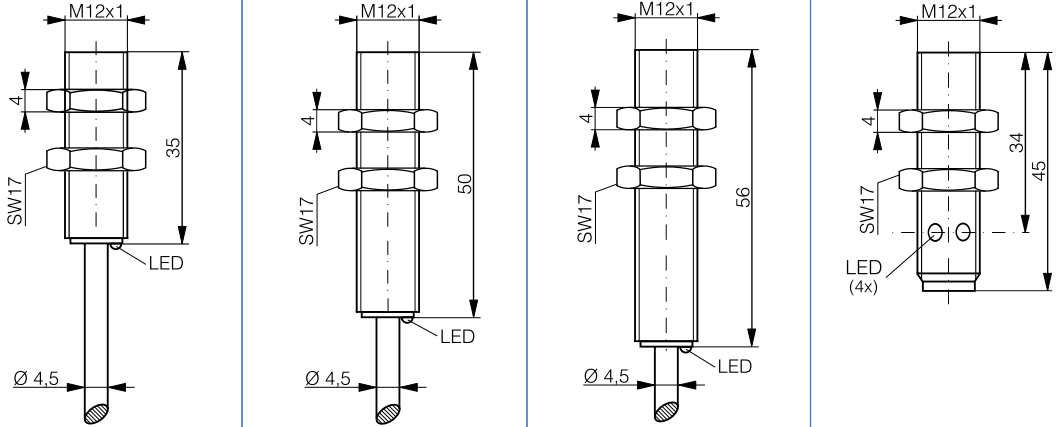
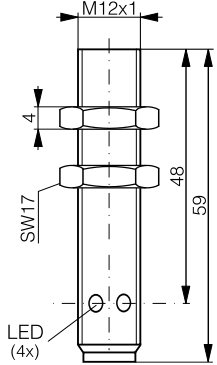
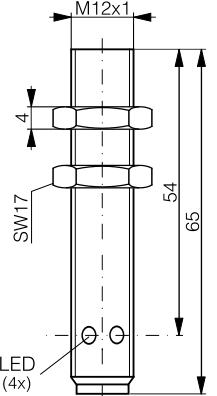
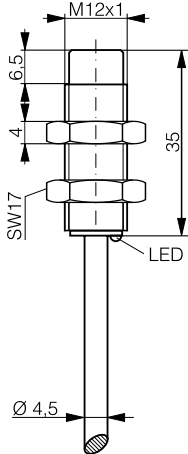
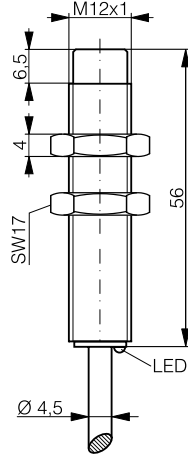
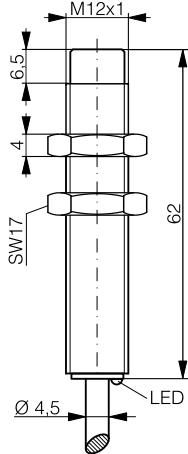


M12

Size				
Operating distance mm	2	2	2	2
Housing material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Connection ¹⁾	PUR cable type 5	PUR cable type 5	PUR cable type 5	Connector S12
Degree of protection	IP 67	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable	Embeddable
Max. switching frequency	1,200 Hz	1,200 Hz	25 Hz (AC) / 1,200 Hz (DC)	1,200 Hz
Technical data ²⁾	Table 2	Table 2	Table 4	Table 2
Wiring ³⁾	Diagram 2	Diagram 2	Diagram 3	Diagram 2
LED	Built-in	Built-in	Built-in	Built-in
Supply voltage range	15 ... 34 VDC	15 ... 34 VDC	20 ... 265 VAC / 20 ... 320 VDC	15 ... 34 VDC
Ambient temperature range	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C
Output current	≤ 200 mA / ≤ 150 mA*	≤ 200 mA / ≤ 150 mA*	≤ 200 mA	≤ 200 mA / ≤ 150 mA*
¹⁾ Standard cable length 2 m. Non-standard cable lengths and types on request. ²⁾ see page 68 ³⁾ see page 69 ⁴⁾ see page 112				
Dimensions:				
Part references: (bold : preferred types)				
NPN N.O.	DW-AD-601-M12-120	DW-AD-601-M12		DW-AS-601-M12-120
NPN N.C.	DW-AD-602-M12-120	DW-AD-602-M12		DW-AS-602-M12-120
PNP N.O.	DW-AD-603-M12-120	DW-AD-603-M12		DW-AS-603-M12-120
PNP N.C.	DW-AD-604-M12-120	DW-AD-604-M12		DW-AS-604-M12-120
NAMUR				
AC/DC 2-wire N.O.			DW-AD-607-M12	
AC/DC 2-wire N.C.			DW-AD-608-M12	
Compatible connectors ⁴⁾				G ... N (N.O.); K ... N (N.C.)

*50 °C / 85 °C

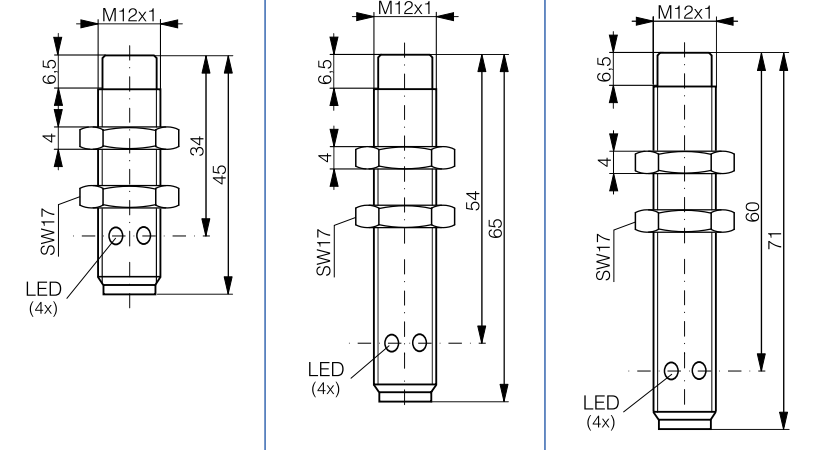
M12

2	2	4	4	4
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Connector S12	Connector S12	PUR cable type 5	PUR cable type 5	PUR cable type 5
IP 67	IP 67	IP 67	IP 67	IP 67
Embeddable	Embeddable	Non-embeddable	Non-embeddable	Non-embeddable
1,200 Hz	25 Hz (AC) / 1,200 Hz (DC)	800 Hz	800 Hz	25 Hz (AC) / 900 Hz (DC)
Table 2	Table 4	Table 2	Table 2	Table 4
Diagram 2	Diagram 3	Diagram 2	Diagram 2	Diagram 3
Built-in	Built-in	Built-in	Built-in	Built-in
15 ... 34 VDC	20 ... 265 VAC / 20 ... 320 VDC	15 ... 34 VDC	15 ... 34 VDC	20 ... 265 VAC / 20 ... 320 VDC
-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C
≤ 200 mA / ≤ 150 mA*	≤ 200 mA	≤ 200 mA / ≤ 150 mA*	≤ 200 mA / ≤ 150 mA*	≤ 200 mA
 	 	 	 	 
				
DW-AS-601-M12		DW-AD-611-M12-120	DW-AD-611-M12	
DW-AS-602-M12		DW-AD-612-M12-120	DW-AD-612-M12	
DW-AS-603-M12		DW-AD-613-M12-120	DW-AD-613-M12	
DW-AS-604-M12		DW-AD-614-M12-120	DW-AD-614-M12	
	DW-AS-607-M12			DW-AD-617-M12
	DW-AS-608-M12			DW-AD-618-M12
G ... N (N.O.); K ... N (N.C.)	M, N			

*50 °C / 85 °C

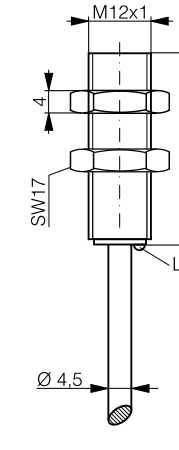
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M12

Size			
Operating distance mm	4	4	4
Housing material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Connection ¹⁾	Connector S12	Connector S12	Connector S12
Degree of protection	IP 67	IP 67	IP 67
Mounting	Non-embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	800 Hz	800 Hz	25 Hz (AC) / 900 Hz (DC)
Technical data ²⁾	Table 2	Table 2	Table 4
Wiring ³⁾	Diagram 2	Diagram 2	Diagram 3
LED	Built-in	Built-in	Built-in
Supply voltage range	15 ... 34 VDC	15 ... 34 VDC	20 ... 265 VAC / 20 ... 320 VDC
Ambient temperature range	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C
Output current	≤ 200 mA / ≤ 150 mA*	≤ 200 mA / ≤ 150 mA*	≤ 200 mA
¹⁾ Standard cable length 2 m. Non-standard cable lengths and types on request. ²⁾ see page 68 ³⁾ see page 69 ⁴⁾ see page 112			
Dimensions:			
Part references: (bold : preferred types)			
NPN N.O.	DW-AS-611-M12-120	DW-AS-611-M12	
NPN N.C.	DW-AS-612-M12-120	DW-AS-612-M12	
PNP N.O.	DW-AS-613-M12-120	DW-AS-613-M12	
PNP N.C.	DW-AS-614-M12-120	DW-AS-614-M12	
NAMUR			
AC/DC 2-wire N.O.			DW-AS-617-M12
AC/DC 2-wire N.C.			DW-AS-618-M12
Compatible connectors ⁴⁾	G ... N (N.O.); K ... N (N.C.)	G ... N (N.O.); K ... N (N.C.)	M, N

*50 °C / 85 °C

4
Nickel-plated brass
PUR cable type 5
IP 67
Embeddable
800 Hz
Table 2
Diagram 2
Built-in
15 ... 34 VDC
-25 ... +85 °C
≤ 200 mA / ≤ 150 mA*

increased distance

**
**
DW-AD-623-M12-120
**

** on request

SERIES 620

M12

4	4	4
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
PUR cable type 5	Connector S12	Connector S12
IP 67	IP 67	IP 67
Embeddable	Embeddable	Embeddable
800 Hz	800 Hz	800 Hz
Table 2	Table 2	Table 2
Diagram 2	Diagram 2	Diagram 2
Built-in	Built-in	Built-in
15 ... 34 VDC	15 ... 34 VDC	15 ... 34 VDC
-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C
≤ 200 mA / ≤ 150 mA*	≤ 200 mA / ≤ 150 mA*	≤ 200 mA / ≤ 150 mA*



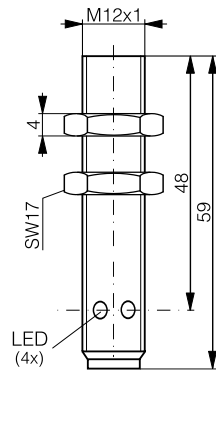
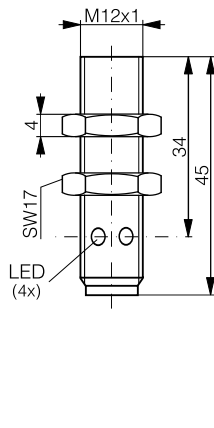
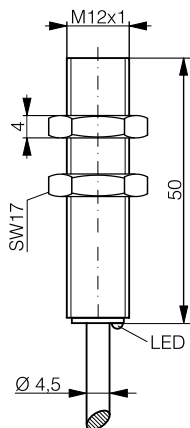
increased distance



increased distance



increased distance



**

**

DW-AD-623-M12

**

**

**

DW-AS-623-M12-120

**

**

**

DW-AS-623-M12

**

G...N

G...N

*50 °C / 85 °C

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SERIES 500

M12

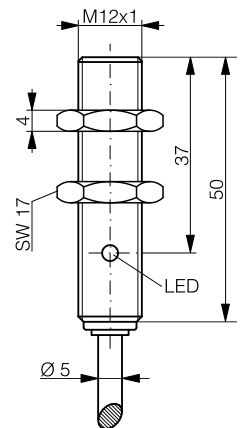
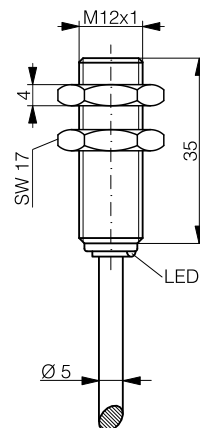
6	6
Chrome-plated brass	Chrome-plated brass
PVC cable type 8	PVC cable type 8
IP 67	IP 67
Quasi-embeddable	Quasi-embeddable
800 Hz	800 Hz
Table 1	Table 1
Diagram 1	Diagram 1
Built-in	Built-in
10 ... 30 VDC	10 ... 30 VDC
-25 ... +70 °C	-25 ... +70 °C
≤ 200 mA	≤ 200 mA



long distance



long distance



DW-AD-501-M12-120

DW-AD-502-M12-120

DW-AD-503-M12-120

DW-AD-504-M12-120

DW-AD-501-M12

DW-AD-502-M12

DW-AD-503-M12

DW-AD-504-M12

1
Inductive
proximity switches

2
Photoelectric
proximity switches

3
Optical fibers

4
Connecting cables

5
Accessories

6
Glossary

7
Index

M12

M12

Size		
Operating distance mm	6	6
Housing material	Chrome-plated brass	Chrome-plated brass
Connection ¹⁾	Connector S12	Connector S12
Degree of protection	IP 67	IP 67
Mounting	Quasi-embeddable	Quasi-embeddable
Max. switching frequency	800 Hz	800 Hz
Technical data ²⁾	Table 1	Table 1
Wiring ³⁾	Diagram 2	Diagram 2
LED	Built-in	Built-in
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 200 mA	≤ 200 mA

¹⁾ Standard cable length 2 m.
Non-standard cable lengths
and types on request.

²⁾ see page 68

³⁾ see page 69

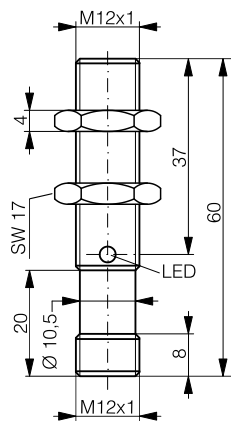
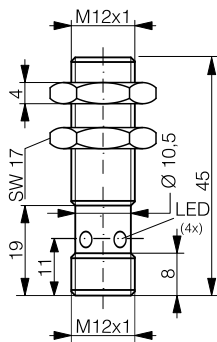
⁴⁾ see page 112



long distance

long distance

Dimensions:



Part references:
(**bold**: preferred types)

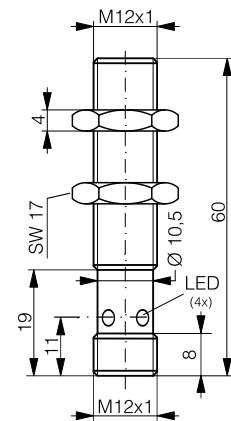
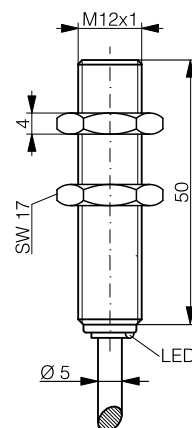
NPN N.O.	DW-AS-501-M12-120	DW-AS-501-M12
NPN N.C.		DW-AS-502-M12
PNP N.O.	DW-AS-503-M12-120	DW-AS-503-M12
PNP N.C.		DW-AS-504-M12
NAMUR		
AC/DC 2-wire N.O.		
AC/DC 2-wire N.C.		
Compatible connectors ⁴⁾	G ... N	G ... N (N.O.); K ... N (N.C.)

Size		
Operating distance mm	6	6
Housing material	Stainless steel V2A	Stainless steel V2A
Connection ¹⁾	PUR cable type 11	Connector S12
Degree of protection	IP 68	IP 67
Mounting	Embeddable	Embeddable
Max. switching frequency	400 Hz	400 Hz
Technical data ²⁾	Table 1	Table 1
Wiring ³⁾	Diagram 1	Diagram 2
LED	Built-in	Built-in
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 200 mA	≤ 200 mA



all-metal

all-metal



DW-AD-701-M12	DW-AS-701-M12
DW-AD-702-M12	DW-AS-702-M12
DW-AD-703-M12	DW-AS-703-M12
DW-AD-704-M12	DW-AS-704-M12
	G ... N (N.O.); K ... N (N.C.)

SERIES 520

M12

8	8
Chrome-plated brass	Chrome-plated brass
PVC cable type 8	Connector S12
IP 67	IP 67
Quasi-embeddable	Quasi-embeddable
400 Hz	400 Hz
Table 1	Table 1
Diagram 1	Diagram 2
Built-in	Built-in
10 ... 30 VDC	10 ... 30 VDC
-25 ... +70 °C	-25 ... +70 °C
≤ 200 mA	≤ 200 mA

4 x distance	4 x distance
DW-AD-523-M12	DW-AS-523-M12
	G ... N

SERIES 500

M12

10	10	10	10
Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
PVC cable type 8	PVC cable type 8	Connector S12	Connector S12
IP 67	IP 67	IP 67	IP 67
Non-embeddable	Non-embeddable	Non-embeddable	Non-embeddable
400 Hz	400 Hz	400 Hz	400 Hz
Table 1	Table 1	Table 1	Table 1
Diagram 1	Diagram 1	Diagram 2	Diagram 2
Built-in	Built-in	Built-in	Built-in
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA

long distance	long distance	long distance	long distance
DW-AD-511-M12-120	DW-AD-511-M12	DW-AS-511-M12-120	DW-AS-511-M12
	DW-AD-512-M12		DW-AS-512-M12
DW-AD-513-M12-120	DW-AD-513-M12	DW-AS-513-M12-120	DW-AS-513-M12
	DW-AD-514-M12		DW-AS-514-M12
		G ... N	G ... N (N.O.); K ... N (N.C.)

1
Inductive
proximity switches

2
Photoelectric
proximity switches

3
Optical fibers

4
Connecting cables

5
Accessories

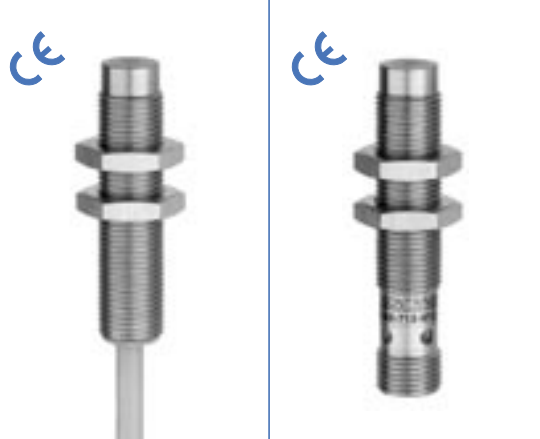
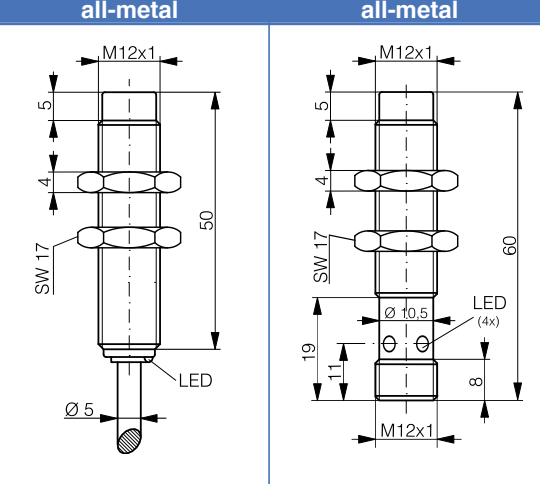
6
Glossary

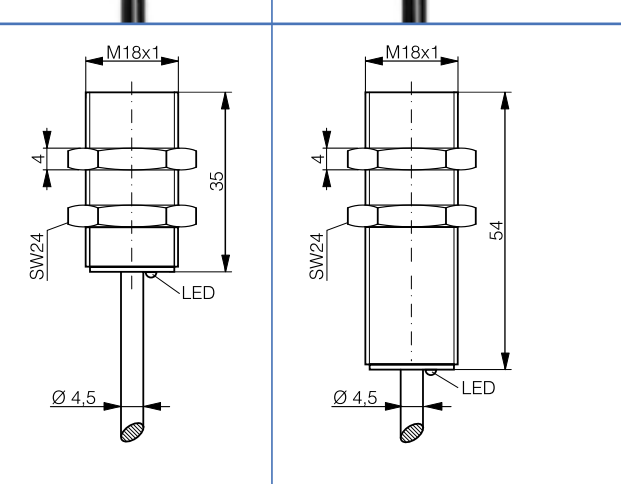
7
Index

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M12

M18

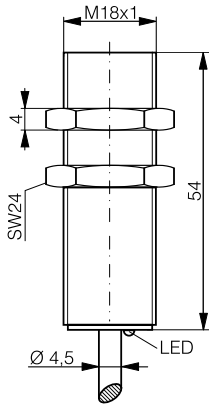
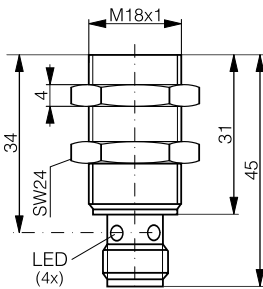
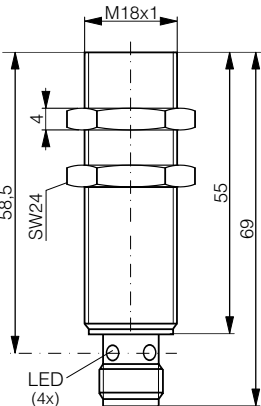
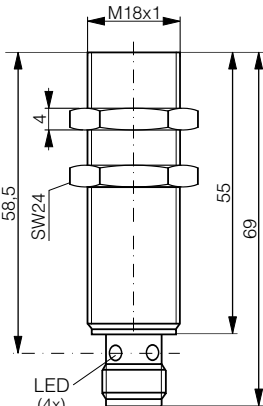
Size		
Operating distance mm	10	10
Housing material	Stainless steel V2A	Stainless steel V2A
Connection ¹⁾	PUR cable type 11	Connector S12
Degree of protection	IP 68	IP 67
Mounting	Non-embeddable	Non-embeddable
Max. switching frequency	400 Hz	400 Hz
Technical data ²⁾	Table 1	Table 1
Wiring ³⁾	Diagram 1	Diagram 2
LED	Built-in	Built-in
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 200 mA	≤ 200 mA
¹⁾ Standard cable length 2 m. Non-standard cable lengths and types on request. ²⁾ see page 68 ³⁾ see page 69 ⁴⁾ see page 112		
	all-metal	
		
	Dimensions: Part references: (bold: preferred types)	
NPN N.O.	DW-AD-711-M12	DW-AS-711-M12
NPN N.C.	DW-AD-712-M12	DW-AS-712-M12
PNP N.O.	DW-AD-713-M12	DW-AS-713-M12
PNP N.C.	DW-AD-714-M12	DW-AS-714-M12
NAMUR		
AC/DC 2-wire N.O.		
AC/DC 2-wire N.C.		
Compatible connectors ⁴⁾		G ... N (N.O.); K ... N (N.C.)

Size		
Operating distance mm	5	5
Housing material	Nickel-plated brass	Nickel-plated brass
Connection ¹⁾	PUR cable type 5	PUR cable type 5
Degree of protection	IP 67	IP 67
Mounting	Embeddable	Embeddable
Max. switching frequency	800 Hz	800 Hz
Technical data ²⁾	Table 2	Table 2
Wiring ³⁾	Diagram 2	Diagram 2
LED	Built-in	Built-in
Supply voltage range	15 ... 34 VDC	15 ... 34 VDC
Ambient temperature range	-25 ... +85 °C	-25 ... +85 °C
Output current	≤ 200 mA / ≤ 150 mA*	≤ 200 mA / ≤ 150 mA*
¹⁾ Standard cable length 2 m. Non-standard cable lengths and types on request. ²⁾ see page 68 ³⁾ see page 69 ⁴⁾ see page 112		
	all-metal	
		
	Dimensions: Part references: (bold: preferred types)	
NPN N.O.	DW-AD-601-M18-120	DW-AD-601-M18
NPN N.C.	DW-AD-602-M18-120	DW-AD-602-M18
PNP N.O.	DW-AD-603-M18-120	DW-AD-603-M18
PNP N.C.	DW-AD-604-M18-120	DW-AD-604-M18
NAMUR		
AC/DC 2-wire N.O.		
AC/DC 2-wire N.C.		
Compatible connectors ⁴⁾		

*50 °C / 85 °C

SERIES 600

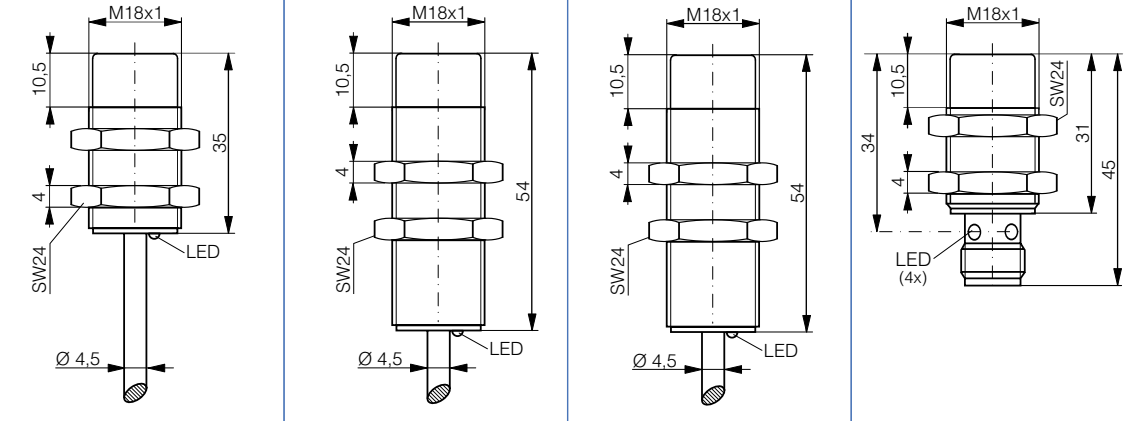
M18

5	5	5	5	
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
PUR cable type 5	Connector S12	Connector S12	Connector S12	
IP 67	IP 67	IP 67	IP 67	
Embeddable	Embeddable	Embeddable	Embeddable	
25 Hz (AC) / 490 Hz (DC)	800 Hz	800 Hz	25 Hz (AC) / 490 Hz (DC)	
Table 4	Table 2	Table 2	Table 4	
Diagram 3	Diagram 2	Diagram 2	Diagram 3	
Built-in	Built-in	Built-in	Built-in	
20 ... 265 VAC / 20 ... 320 VDC	15 ... 34 VDC	15 ... 34 VDC	20 ... 265 VAC / 20 ... 320 VDC	
-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	
≤ 300 mA	≤ 200 mA / ≤ 150 mA*	≤ 200 mA / ≤ 150 mA*	≤ 300 mA	
				
				
	DW-AS-601-M18-120	DW-AS-601-M18-002		
	DW-AS-602-M18-120	DW-AS-602-M18-002		
	DW-AS-603-M18-120	DW-AS-603-M18-002		
	DW-AS-604-M18-120	DW-AS-604-M18-002		
DW-AD-607-M18			DW-AS-607-M18-002	
DW-AD-608-M18			DW-AS-608-M18-002	
	G ... N (N.O.); K ... N (N.C.)	G ... N (N.O.); K ... N (N.C.)	M, N	

*50 °C / 85 °C

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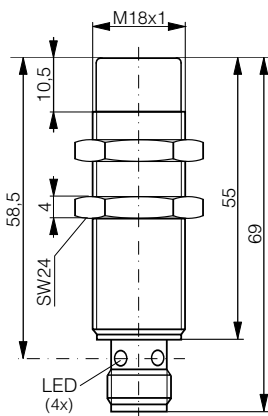
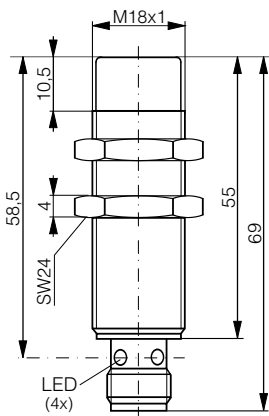
M18

Size				
Operating distance mm	8	8	8	8
Housing material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Connection ¹⁾	PUR cable type 5	PUR cable type 5	PUR cable type 5	Connector S12
Degree of protection	IP 67	IP 67	IP 67	IP 67
Mounting	Non-embeddable	Non-embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	500 Hz	500 Hz	25 Hz (AC) / 340 Hz (DC)	500 Hz
Technical data ²⁾	Table 2	Table 2	Table 4	Table 2
Wiring ³⁾	Diagram 2	Diagram 2	Diagram 3	Diagram 2
LED	Built-in	Built-in	Built-in	Built-in
Supply voltage range	15 ... 34 VDC	15 ... 34 VDC	20 ... 265 VAC / 20 ... 320 VDC	15 ... 34 VDC
Ambient temperature range	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C
Output current	≤ 200 mA / ≤ 150 mA*	≤ 200 mA / ≤ 150 mA*	≤ 300 mA	≤ 200 mA / ≤ 150 mA*
¹⁾ Standard cable length 2 m. Non-standard cable lengths and types on request. ²⁾ see page 68 ³⁾ see page 69 ⁴⁾ see page 112				
Dimensions:				
Part references: (bold : preferred types)				
NPN N.O.	DW-AD-611-M18-120	DW-AD-611-M18		DW-AS-611-M18-120
NPN N.C.	DW-AD-612-M18-120	DW-AD-612-M18		DW-AS-612-M18-120
PNP N.O.	DW-AD-613-M18-120	DW-AD-613-M18		DW-AS-613-M18-120
PNP N.C.	DW-AD-614-M18-120	DW-AD-614-M18		DW-AS-614-M18-120
NAMUR				
AC/DC 2-wire N.O.			DW-AD-617-M18	
AC/DC 2-wire N.C.			DW-AD-618-M18	
Compatible connectors ⁴⁾				G ... N (N.O.); K ... N (N.C.)

*50 °C / 85 °C

M18

8	8
Nickel-plated brass	Nickel-plated brass
Connector S12	Connector S12
IP 67	IP 67
Non-embeddable	Non-embeddable
500 Hz	25 Hz (AC) / 340 Hz (DC)
Table 2	Table 4
Diagram 2	Diagram 3
Built-in	Built-in
15 ... 34 VDC	20 ... 265 VAC / 20 ... 320 VDC
-25 ... +85 °C	-25 ... +85 °C
≤ 200 mA / ≤ 150 mA*	≤ 300 mA



DW-AS-611-M18-002	
DW-AS-612-M18-002	
DW-AS-613-M18-002	
DW-AS-614-M18-002	
	DW-AS-617-M18-002
	DW-AS-618-M18-002
G ... N (N.O.); K ... N (N.C.)	M, N

*50 °C / 85 °C

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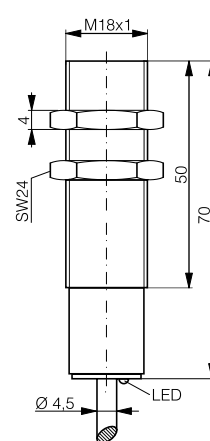
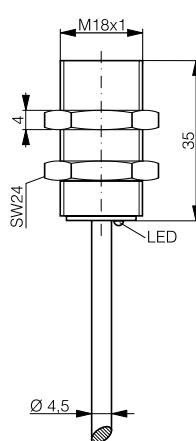
M18

8	8	
Nickel-plated brass	Nickel-plated brass	
PUR cable type 5	PUR cable type 5	
IP 67	IP 67	
Quasi-embeddable	Quasi-embeddable	
500 Hz	500 Hz	
Table 2	Table 2	
Diagram 2	Diagram 2	
Built-in	Built-in	
15 ... 34 VDC	15 ... 34 VDC	
-25 ... +85 °C	-25 ... +85 °C	
≤ 200 mA / ≤ 150 mA*	≤ 200 mA / ≤ 150 mA*	



increased distance

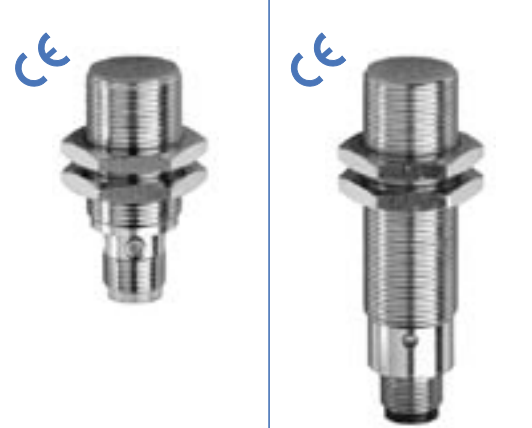
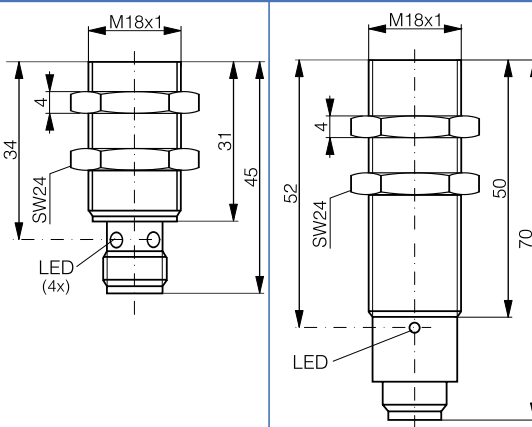
increased distance



**	**	
**	**	
DW-AD-623-M18-120	DW-AD-623-M18	
**	**	

** on request

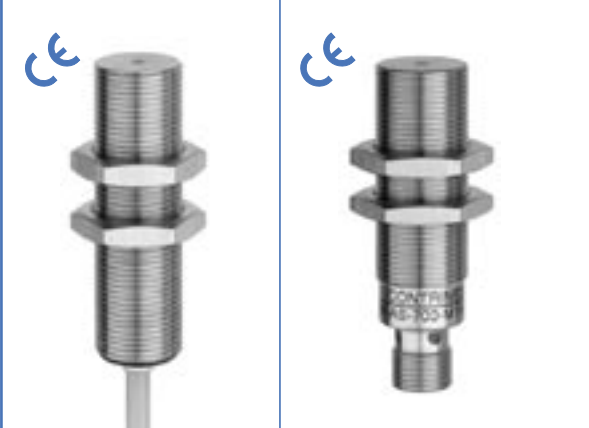
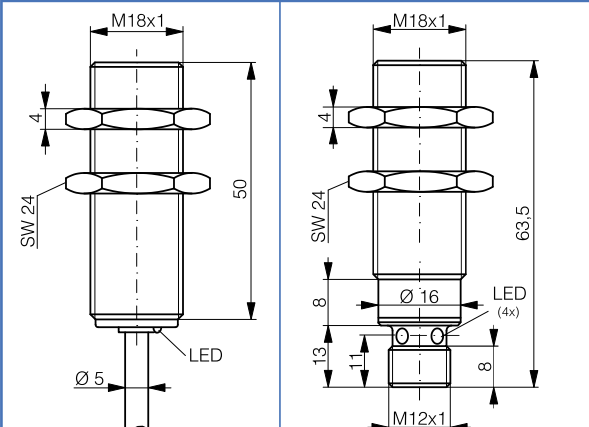
M18

Size		
Operating distance mm	8	8
Housing material	Nickel-plated brass	Nickel-plated brass
Connection ¹⁾	Connector S12	Connector S12
Degree of protection	IP 67	IP 67
Mounting	Quasi-embeddable	Quasi-embeddable
Max. switching frequency	500 Hz	500 Hz
Technical data ²⁾	Table 2	Table 2
Wiring ³⁾	Diagram 2	Diagram 2
LED	Built-in	Built-in
Supply voltage range	15 ... 34 VDC	15 ... 34 VDC
Ambient temperature range	-25 ... +85 °C	-25 ... +85 °C
Output current	≤ 200 mA / ≤ 150 mA*	≤ 200 mA / ≤ 150 mA*
¹⁾ Standard cable length 2 m. Non-standard cable lengths and types on request. ²⁾ see page 68 ³⁾ see page 69 ⁴⁾ see page 112		
	increased distance increased distance	
		
	Dimensions: Part references: (bold: preferred types)	
NPN N.O.	**	**
NPN N.C.	**	**
PNP N.O.	DW-AS-623-M18-120	DW-AS-623-M18-002
PNP N.C.	**	**
NAMUR		
AC/DC 2-wire N.O.		
AC/DC 2-wire N.C.		
Compatible connectors ⁴⁾	G ... N	G ... N

*50 °C / 85 °C

** on request

M18

Size		
Operating distance mm	10	10
Housing material	Stainless steel V2A	Stainless steel V2A
Connection ¹⁾	PUR cable type 11	Connector S12
Degree of protection	IP 68	IP 67
Mounting	Embeddable	Embeddable
Max. switching frequency	200 Hz	200 Hz
Technical data ²⁾	Table 1	Table 1
Wiring ³⁾	Diagram 1	Diagram 2
LED	Built-in	Built-in
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 200 mA	≤ 200 mA
¹⁾ Standard cable length 2 m. Non-standard cable lengths and types on request. ²⁾ see page 68 ³⁾ see page 69 ⁴⁾ see page 112		
	all-metal all-metal	
		
	Dimensions: Part references: (bold: preferred types)	
NPN N.O.	DW-AD-701-M18	DW-AS-701-M18-002
NPN N.C.	DW-AD-702-M18	DW-AS-702-M18-002
PNP N.O.	DW-AD-703-M18	DW-AS-703-M18-002
PNP N.C.	DW-AD-704-M18	DW-AS-704-M18-002
NAMUR		
AC/DC 2-wire N.O.		
AC/DC 2-wire N.C.		
Compatible connectors ⁴⁾		G ... N (N.O.); K ... N (N.C.)

M18

12

12

12

12

Chrome-plated brass

Chrome-plated brass

Chrome-plated brass

Chrome-plated brass

PVC cable type 8

PVC cable type 8

Connector S12

Connector S12

IP 67

IP 67

IP 67

IP 67

Quasi-embeddable

Quasi-embeddable

Quasi-embeddable

Quasi-embeddable

500 Hz

500 Hz

500 Hz

500 Hz

Table 1

Table 1

Table 1

Table 1

Diagram 1

Diagram 1

Diagram 2

Diagram 2

Built-in

Built-in

Built-in

Built-in

10 ... 30 VDC

10 ... 30 VDC

10 ... 30 VDC

10 ... 30 VDC

-25 ... +70 °C

-25 ... +70 °C

-25 ... +70 °C

-25 ... +70 °C

≤ 200 mA

≤ 200 mA

≤ 200 mA

≤ 200 mA

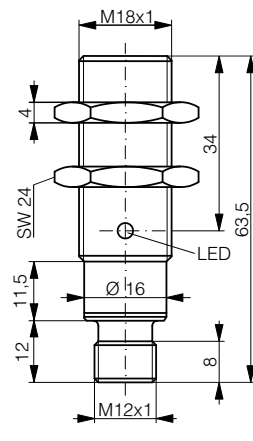
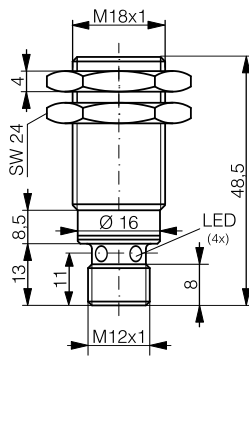
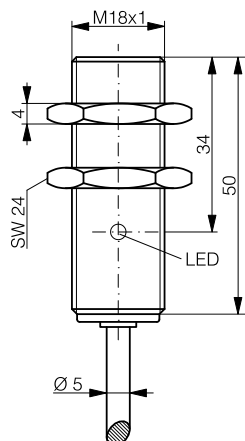
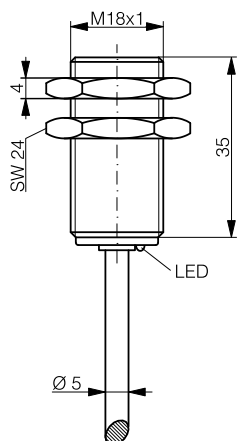


long distance

long distance

long distance

long distance



DW-AD-501-M18-120

DW-AD-501-M18

DW-AS-501-M18-120

DW-AS-501-M18-002

DW-AD-502-M18

DW-AS-502-M18-002

DW-AD-503-M18-120

DW-AD-503-M18

DW-AS-503-M18-120

DW-AS-503-M18-002

DW-AD-504-M18

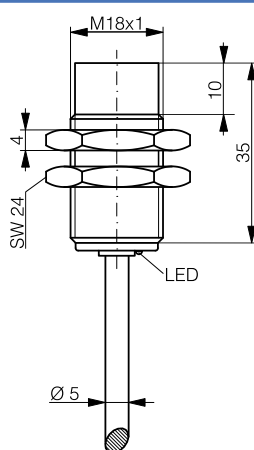
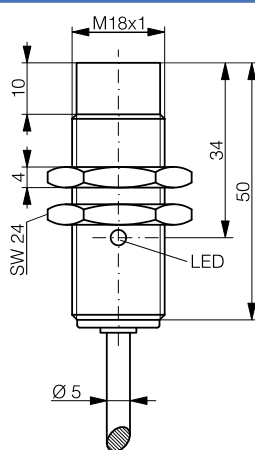
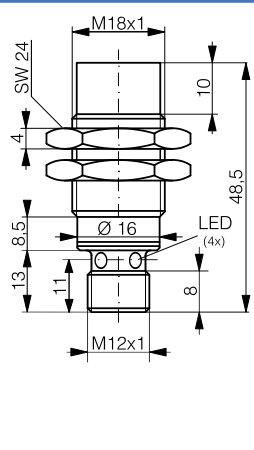
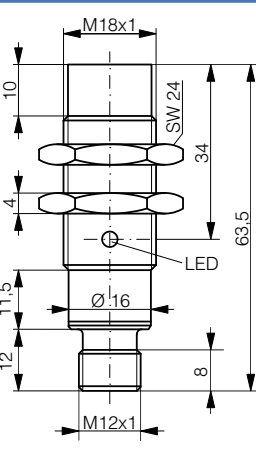
DW-AS-504-M18-002

G ... N

G ... N (N.O.); K ... N (N.C.)

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M18

Size				
Operating distance mm	20	20	20	20
Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection ¹⁾	PVC cable type 8	PVC cable type 8	Connector S12	Connector S12
Degree of protection	IP 67	IP 67	IP 67	IP 67
Mounting	Non-embeddable	Non-embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	200 Hz	200 Hz	200 Hz	200 Hz
Technical data ²⁾	Table 1	Table 1	Table 1	Table 1
Wiring ³⁾	Diagram 1	Diagram 1	Diagram 2	Diagram 2
LED	Built-in	Built-in	Built-in	Built-in
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
¹⁾ Standard cable length 2 m. Non-standard cable lengths and types on request. ²⁾ see page 68 ³⁾ see page 69 ⁴⁾ see page 112				
	long distance	long distance	long distance	long distance
				
	Part references: (bold : preferred types)			
NPN N.O.	DW-AD-511-M18-120	DW-AD-511-M18	DW-AS-511-M18-120	DW-AS-511-M18-002
NPN N.C.		DW-AD-512-M18		DW-AS-512-M18-002
PNP N.O.	DW-AD-513-M18-120	DW-AD-513-M18	DW-AS-513-M18-120	DW-AS-513-M18-002
PNP N.C.		DW-AD-514-M18		DW-AS-514-M18-002
NAMUR				
AC/DC 2-wire N.O.				
AC/DC 2-wire N.C.				
Compatible connectors ⁴⁾			G ... N	G ... N (N.O.); K ... N (N.C.)

M18

20

20

Stainless steel V2A

Stainless steel V2A

PUR cable type 11

Connector S12

IP 68

IP 67

Non-embeddable

Non-embeddable

200 Hz

200 Hz

Table 1

Table 1

Diagram 1

Diagram 2

Built-in

Built-in

10 ... 30 VDC

10 ... 30 VDC

-25 ... +70 °C

-25 ... +70 °C

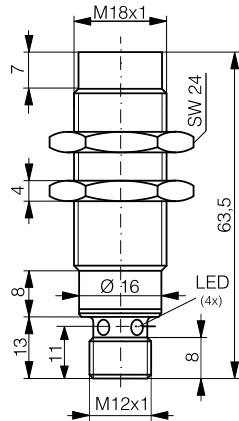
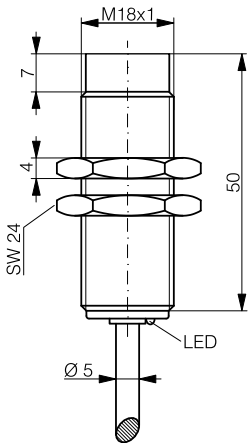
≤ 200 mA

≤ 200 mA



all-metal

all-metal



DW-AD-711-M18

DW-AS-711-M18-002

DW-AD-712-M18

DW-AS-712-M18-002

DW-AD-713-M18

DW-AS-713-M18-002

DW-AD-714-M18

DW-AS-714-M18-002

G ... N (N.O.); K ... N (N.C.)

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