

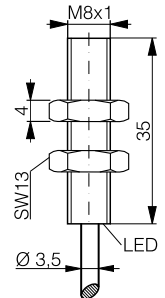
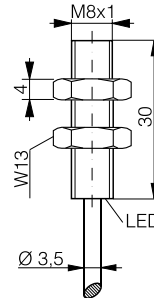
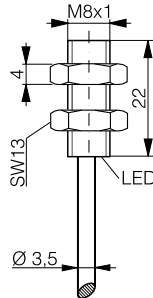
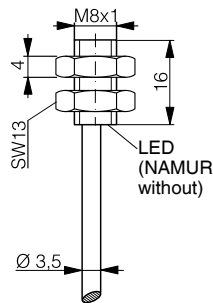
Size	M8	
Operating distance mm	1.5	
Housing material	Stainless steel V2A	
Connection ¹⁾	PVC cable type 2	
Degree of protection	IP 67	
Mounting	Embeddable	
Max. switching frequency	5,000 Hz	10,000 Hz
Technical data ²⁾	Table 1	Table 5
Wiring ³⁾	Diagram 1	Diagram 4
LED	Built-in	---
Supply voltage range	10 ... 30 VDC	7.7 ... 9 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 200 mA	≤ 1 / ≥ 2.2 mA*

Size	M8		
Operating distance mm	1.5	1.5	1.5
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection ¹⁾	PVC cable type 2	PVC cable type 2	PVC cable type 2
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	5,000 Hz	5,000 Hz	5,000 Hz
Technical data ²⁾	Table 1	Table 1	Table 1
Wiring ³⁾	Diagram 1	Diagram 1	Diagram 1
LED	Built-in	Built-in	Built-in
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 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



Dimensions:



Part references:

(**bold**: preferred types)

NPN N.O.	DW-AD-421-M8	
NPN N.C.	DW-AD-422-M8	
PNP N.O.	DW-AD-423-M8	
PNP N.C.	DW-AD-424-M8	
NAMUR		DW-AD-425-M8
AC/DC 2-wire N.O.		
AC/DC 2-wire N.C.		
Compatible connectors ⁴⁾		

DW-AD-601-M8-121	DW-AD-601-M8-122	DW-AD-601-M8
DW-AD-602-M8-121	DW-AD-602-M8-122	DW-AD-602-M8
DW-AD-603-M8-121	DW-AD-603-M8-122	DW-AD-603-M8
DW-AD-604-M8-121	DW-AD-604-M8-122	DW-AD-604-M8

*damped / non-damped

SERIES 420

M8

1.5

Stainless steel V2A

Connector S8

IP 67

Embeddable

5,000 Hz	10,000 Hz
----------	-----------

Table 1	Table 5
---------	---------

Diagram 1	Diagram 4
-----------	-----------

Built-in	---
----------	-----

10 ... 30 VDC	7.7 ... 9 VDC
---------------	---------------

-25 ... +70 °C	-25 ... +70 °C
----------------	----------------

≤ 200 mA	≤ 1 / ≥ 2.2 mA*
----------	-----------------



M



DW-AS-421-M8-001	
DW-AS-422-M8-001	
DW-AS-423-M8-001	
DW-AS-424-M8-001	
	DW-AS-425-M8-001
A ... D	A, B

SERIES 600

M8

1
Inductive
proximity switches

2
Photoelectric
proximity switches

3
Optical fibers

4
Connecting cables





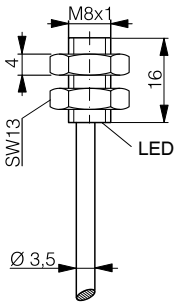
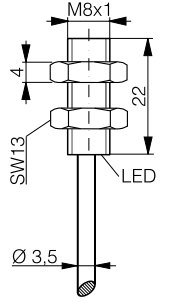
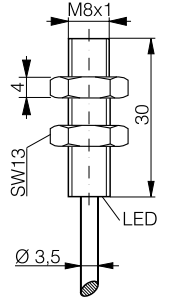
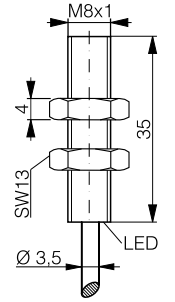
5
Accessories

6
Glossary

7
Index

For all these products, you will find detailed data sheets, application notes, dimensional drawings, cross-reference lists, part references, new items, special executions, extensive additional technical information, specifications concerning quality, safety and standards, as well as the addresses of agents, and much more besides, on our Internet website at www.contrinx.com. The website contents are constantly up-dated and extended.

M8

Size					
Operating distance mm	2	2	2	2	
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	
Connection ¹⁾	PVC cable type 2	PVC cable type 2	PVC cable type 2	PVC cable type 2	
Degree of protection	IP 67	IP 67	IP 67	IP 67	
Mounting	Embeddable	Embeddable	Embeddable	Embeddable	
Max. switching frequency	3,000 Hz	3,000 Hz	3,000 Hz	3,000 Hz	
Technical data ²⁾	Table 1	Table 1	Table 1	Table 1	
Wiring ³⁾	Diagram 1	Diagram 1	Diagram 1	Diagram 1	
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					
	increased distance	increased distance	increased distance	increased distance	
	Dimensions:				
	Part references: (bold: preferred types)	DW-AD-621-M8-120	DW-AD-621-M8-121	DW-AD-621-M8-122	DW-AD-621-M8
NPN N.O.	DW-AD-621-M8-120	DW-AD-621-M8-121	DW-AD-621-M8-122	DW-AD-621-M8	
NPN N.C.	DW-AD-622-M8-120	DW-AD-622-M8-121	DW-AD-622-M8-122	DW-AD-622-M8	
PNP N.O.	DW-AD-623-M8-120	DW-AD-623-M8-121	DW-AD-623-M8-122	DW-AD-623-M8	
PNP N.C.	DW-AD-624-M8-120	DW-AD-624-M8-121	DW-AD-624-M8-122	DW-AD-624-M8	
NAMUR					
AC/DC 2-wire N.O.					
AC/DC 2-wire N.C.					
Compatible connectors ⁴⁾					

SERIES 620

1
Inductive
proximity switches

2
Photoelectric
proximity switches

3
Optical fibers

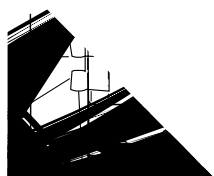
4
Connecting cables

5
Accessories

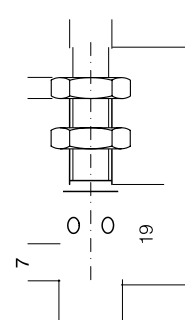
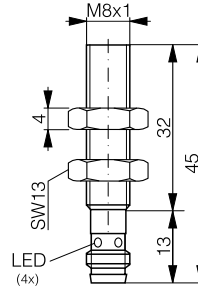
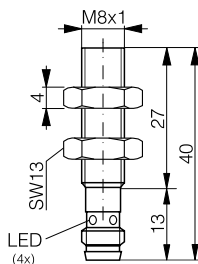
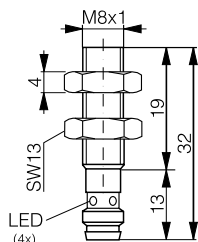
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Glossary

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	2	2	2	2
	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	
	Connector S8	Connector S8	Connector S8	
	IP 67	IP 67	IP 67	
	Embeddable	Embeddable	Embeddable	
	3,000 Hz	3,000 Hz	3,000 Hz	
	Table 1	Table 1	Table 1	
	Diagram 1	Diagram 1	Diagram 1	
	Built-in	Built-in	Built-in	
	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C	
	≤ 200 mA	≤ 200 mA	≤ 200 mA	



LED
(4x)



DW-AS-621-M8-123
DW-AS-622-M8-123
DW-AS-623-M8-123
DW-AS-624-M8-123

DW-AS-621-M8-124
DW-AS-622-M8-124
DW-AS-623-M8-124
DW-AS-624-M8-124

DW-AS-621-M8-001
DW-AS-622-M8-001
DW-AS-623-M8-001
DW-AS-624-M8-001





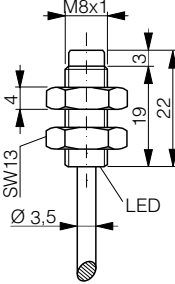
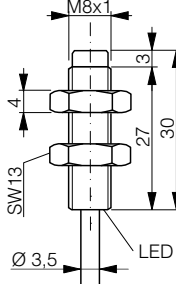
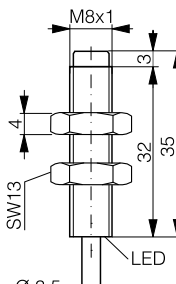
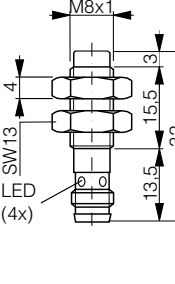
A ... D

A ... D

A ... D

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M8

Size				
Operating distance mm	2.5	2.5	2.5	2.5
Housing material	Stainless steel V2A	Stainless steel V2A	Nickel-plated brass	Stainless steel V2A
Connection ¹⁾	PVC cable type 2	PVC cable type 2	PVC cable type 2	Connector S8
Degree of protection	IP 67	IP 67	IP 67	IP 67
Mounting	Non-embeddable	Non-embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	3,000 Hz	3,000 Hz	3,000 Hz	3,000 Hz
Technical data ²⁾	Table 1	Table 1	Table 1	Table 1
Wiring ³⁾	Diagram 1	Diagram 1	Diagram 1	Diagram 1
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				
Dimensions:				
Part references: (bold: preferred types)				
NPN N.O.	DW-AD-611-M8-121	DW-AD-611-M8-122	DW-AD-611-M8	DW-AS-611-M8-123
NPN N.C.	DW-AD-612-M8-121	DW-AD-612-M8-122	DW-AD-612-M8	DW-AS-612-M8-123
PNP N.O.	DW-AD-613-M8-121	DW-AD-613-M8-122	DW-AD-613-M8	DW-AS-613-M8-123
PNP N.C.	DW-AD-614-M8-121	DW-AD-614-M8-122	DW-AD-614-M8	DW-AS-614-M8-123
NAMUR				
AC/DC 2-wire N.O.				
AC/DC 2-wire N.C.				
Compatible connectors ⁴⁾				A ... D

SERIES 600

M8

2.5

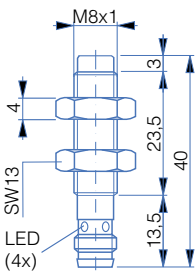
Stainless steel V2A

IP 67

3,000 Hz

Diagram 1

≤ 200 mA



DW-AS-611-M8-124
DW-AS-612-M8-124
DW-AS-613-M8-124

2.5

Nickel-plated brass

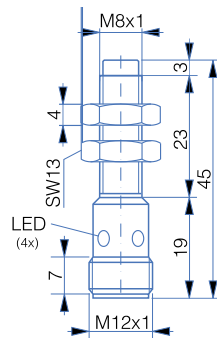
IP 67

3,000 Hz

Diagram 1

10 ... 30 VDC

≤ 200 mA



DW-AS-611-M8
DW-AS-613-M8

1
Inductive
proximity switches

2
Photoelectric
proximity switches

3
Optical fibers

4
Connecting cables

5
Accessories

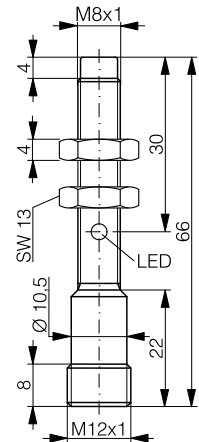
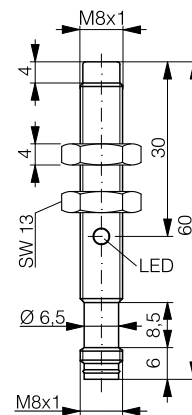
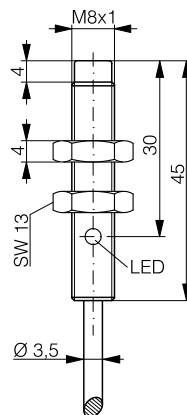
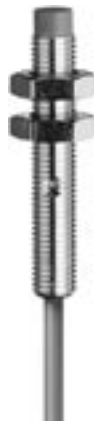
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M8

	3	3	
		Chrome-plated brass	Chrome-plated brass
		IP 67	Connector S12 IP 67
		Quasi-embeddable	Quasi-embeddable
		Diagram 1	
	M8x1 SW 13 4 30 45		
	DW-AD-501-M8	DW-AS-501-M8-001	
	DW-AD-502-M8	DW-AS-502-M8-001	
	DW-AD-503-M8	DW-AS-503-M8-001	
	DW-AD-504-M8	DW-AS-504-M8-001	
		A ... D	G ... N (N.O.); K ... N (N.C.)

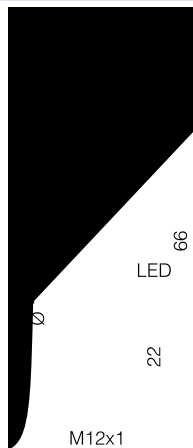
M8

6	6	6
Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
PVC cable type 2	Connector S8	Connector S12
IP 67	IP 67	IP 67
Non-embeddable	Non-embeddable	Non-embeddable
500 Hz	500 Hz	500 Hz
Table 1	Table 1	Table 1
Diagram 1	Diagram 1	Diagram 2
Built-in	Built-in	Built-in
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
≤ 200 mA	≤ 200 mA	≤ 200 mA



4 x distance

4 x distance



DW-AS-523-M8-001

DW-AS-523-M8

A ... D

G ... N

1

Inductive proximity switches

2

Photoelectric proximity switches

3

Optical fibers

4

Connecting cables

5

Accessories

6

Glossary

7

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□ 8x8

□ 8x8

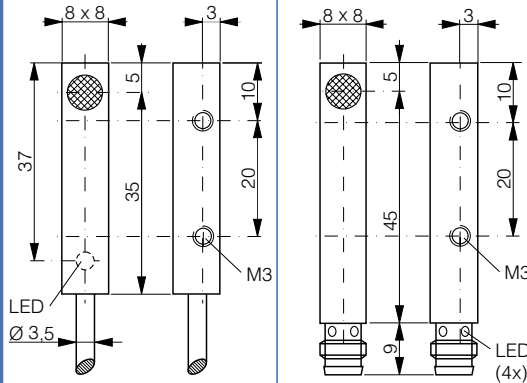
Size		
Operating distance mm	1.5	1.5
Housing material	Nickel-plated brass	Nickel-plated brass
Connection ¹⁾	PVC cable type 2	Connector S8
Degree of protection	IP 67	IP 67
Mounting	Embeddable	Embeddable
Max. switching frequency	5,000 Hz	5,000 Hz
Technical data ²⁾	Table 1	Table 1
Wiring ³⁾	Diagram 1	Diagram 1
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

Size		
Operating distance mm	2	2
Housing material	Chrome-plated brass	Chrome-plated brass
Connection ¹⁾	PVC cable type 2	Connector S8
Degree of protection	IP 67	IP 67
Mounting	Embeddable	Embeddable
Max. switching frequency	3,000 Hz	3,000 Hz
Technical data ²⁾	Table 1	Table 1
Wiring ³⁾	Diagram 1	Diagram 1
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



Dimensions:

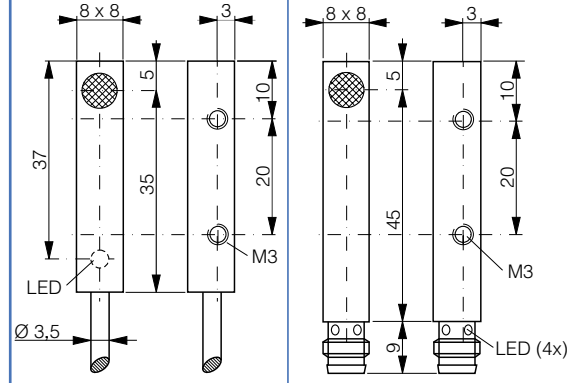


Part references: (bold: preferred types)

NPN N.O.	DW-AD-601-C8	DW-AS-601-C8-001
NPN N.C.	DW-AD-602-C8	DW-AS-602-C8-001
PNP N.O.	DW-AD-603-C8	DW-AS-603-C8-001
PNP N.C.	DW-AD-604-C8	DW-AS-604-C8-001
NAMUR		
AC/DC 2-wire N.O.		
AC/DC 2-wire N.C.		
Compatible connectors ⁴⁾		A ... D

increased distance

increased distance



DW-AD-621-C8	DW-AS-621-C8-001
DW-AD-622-C8	DW-AS-622-C8-001
DW-AD-623-C8	DW-AS-623-C8-001
DW-AD-624-C8	DW-AS-624-C8-001
	A ... D

SERIES 500

□ 8x8

3

3

Chrome-plated brass

Chrome-plated brass

PVC cable type 2

Connector S8

IP 67

IP 67

Quasi-embeddable

Quasi-embeddable

1,000 Hz

1,000 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

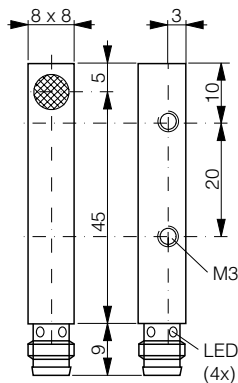
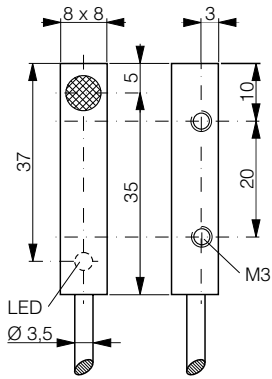
≤ 200 mA

≤ 200 mA



long distance

long distance



DW-AD-501-C8

DW-AS-501-C8

DW-AD-502-C8

DW-AS-502-C8

DW-AD-503-C8

DW-AS-503-C8

DW-AD-504-C8

DW-AS-504-C8

A ... D



1	Inductive proximity switches
2	Photoelectric proximity switches
3	Optical fibers
4	Connecting cables
5	Accessories
6	Glossary
7	Index

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