

M30

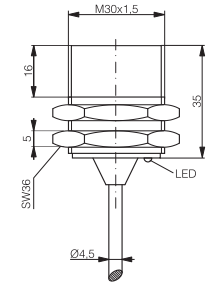
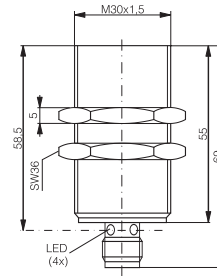
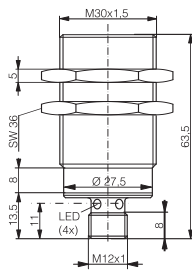
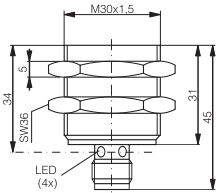
Housing size	M30				
Operating distance mm	10	10	10		
Housing material	Nickel-plated brass	Chrome-plated brass		Nickel-plated brass	
Connection ¹⁾	PUR cable type 5	PVC cable type 8		PUR cable type 5	
Degree of protection	IP 67	IP 67		IP 67	
Mounting	Embeddable	Embeddable		Embeddable	
Max. switching frequency	300 Hz	850 Hz	600 Hz	25 Hz (AC) / 200 Hz (DC)	
Technical data ²⁾	Table 2	Table 1	Table 11	Table 4	
Wiring ³⁾	Diagram 2	Diagram 1	Diagram 7	Diagram 3	
LED	Built-in	Built-in	Built-in	Built-in	
Supply voltage range	15 ... 34 VDC*	10 ... 30 VDC	10 ... 65 VDC	20 ... 265 VAC / 20 ... 320 VDC	
Ambient temperature range	-25 ... +85 °C (-13 ... +185 °F)	-25 ... +70 °C (-13 ... +158 °F)	-25 ... +70 °C (-13 ... +158 °F)	-25 ... +85 °C (-13 ... +185 °F)	
Output current	≤ 200 mA / ≤ 150 mA**	≤ 200 mA	≤ 100 mA	≤ 300 mA	
¹⁾ Standard cable length 2 m. Non-standard cable lengths and types on request. ²⁾ see page 76 ³⁾ see page 77 ⁴⁾ see page 146					
	Dimensions:				
	Part references: (bold : preferred types)				
	NPN N.O.	DW-AD-601-M30-120	DW-AD-601-M30		
NPN N.C.	DW-AD-602-M30-120	DW-AD-602-M30			
PNP N.O.	DW-AD-603-M30-120	DW-AD-603-M30			
PNP N.C.	DW-AD-604-M30-120	DW-AD-604-M30			
DC 2-wire N.O.			DW-DD-605-M30***		
AC/DC 2-wire N.O.				DW-AD-607-M30	
AC/DC 2-wire N.C.				DW-AD-608-M30	
Compatible connectors ⁴⁾					

* 10 ... 30 VDC versions in preparation ** 50 °C / 85 °C (122 °F / 185 °F) *** Please check availability

SERIES 600

M30

10	10		10	15
Nickel-plated brass	Chrome-plated brass		Nickel-plated brass	Nickel-plated brass
Connector S12	Connector S12		Connector S12	PUR cable type 5
IP 67	IP 67		IP 67	IP 67
Embeddable	Embeddable		Embeddable	Non-embeddable
300 Hz	850 Hz	600 Hz	25 Hz (AC) / 200 Hz (DC)	300 Hz
Table 2	Table 1	Table 11	Table 4	Table 2
Diagram 2	Diagram 2	Diagram 7	Diagram 3	Diagram 2
Built-in	Built-in	Built-in	Built-in	Built-in
15 ... 34 VDC*	10 ... 30 VDC	10 ... 65 VDC	20 ... 265 VAC / 20 ... 320 VDC	15 ... 34 VDC*
-25 ... +85 °C (-13 ... +185 °F)	-25 ... +70 °C (-13 ... +158 °F)	-25 ... +70 °C (-13 ... +158 °F)	-25 ... +85 °C (-13 ... +185 °F)	-25 ... +85 °C (-13 ... +185 °F)
≤ 200 mA / ≤ 150 mA**	≤ 200 mA	≤ 100 mA	≤ 300 mA	≤ 200 mA / ≤ 150 mA**



Future housing length: 48.5 mm

DW-AS-601-M30-120	DW-AS-601-M30-002		DW-AD-611-M30-120
DW-AS-602-M30-120	DW-AS-602-M30-002		DW-AD-612-M30-120
DW-AS-603-M30-120	DW-AS-603-M30-002		DW-AD-613-M30-120
DW-AS-604-M30-120	DW-AS-604-M30-002		DW-AD-614-M30-120
		DW-DS-605-M30-002***	
			DW-AS-607-M30-002
			DW-AS-608-M30-002
G ... N (N.O.); K ... N (N.C.)	G ... N (N.O.); K ... N (N.C.)	G ... N	M, N

* 10 ... 30 VDC versions in preparation ** 50 °C / 85 °C (122 °F / 185 °F) *** Please check availability

1 Inductive proximity switches

2 Photoelectric proximity switches

3 Optical fibers

4 Ultrasonic proximity switches




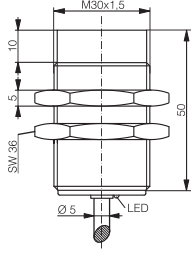
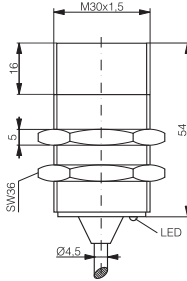
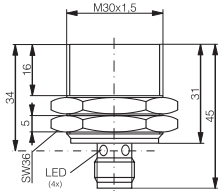
5 Connecting cables

6 Accessories

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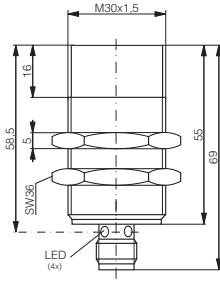
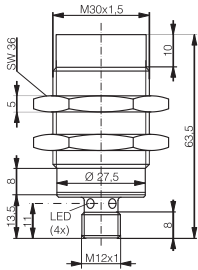
Housing size	M30			
Operating distance mm	15		15	15
Housing material	Chrome-plated brass		Nickel-plated brass	Nickel-plated brass
Connection ¹⁾	PVC cable type 8		PUR cable type 5	Connector S12
Degree of protection	IP 67		IP 67	IP 67
Mounting	Non-embeddable		Non-embeddable	Non-embeddable
Max. switching frequency	850 Hz	500 Hz	25 Hz (AC) / 220 Hz (DC)	300 Hz
Technical data ²⁾	Table 1	Table 11	Table 4	Table 2
Wiring ³⁾	Diagram 1	Diagram 7	Diagram 3	Diagram 2
LED	Built-in	Built-in	Built-in	Built-in
Supply voltage range	10 ... 30 VDC	10 ... 65 VDC	20 ... 265 VAC / 20 ... 320 VDC	15 ... 34 VDC**
Ambient temperature range	-25 ... +70 °C (-13 ... +158 °F)	-25 ... +70 °C (-13 ... +158 °F)	-25 ... +85 °C (-13 ... +185 °F)	-25 ... +85 °C (-13 ... +185 °F)
Output current	≤ 200 mA	≤ 100 mA	≤ 300 mA	≤ 200 mA / ≤ 150 mA***
¹⁾ Standard cable length 2 m. Non-standard cable lengths and types on request. ²⁾ see page 76 ³⁾ see page 77 ⁴⁾ see page 146				
Dimensions:				
Part references: (bold : preferred types)				Future housing length: 48.5 mm
NPN N.O.	DW-AD-611-M30			DW-AS-611-M30-120
NPN N.C.	DW-AD-612-M30			DW-AS-612-M30-120
PNP N.O.	DW-AD-613-M30			DW-AS-613-M30-120
PNP N.C.	DW-AD-614-M30			DW-AS-614-M30-120
DC 2-wire N.O.		DW-DD-615-M30****		
AC/DC 2-wire N.O.			DW-AD-617-M30	
AC/DC 2-wire N.C.			DW-AD-618-M30	
Compatible connectors ⁴⁾				G ... N (N.O.); K ... N (N.C.)

** 10 ... 30 VDC versions in preparation *** 50 °C / 85 °C (122 °F / 185 °F) **** Please check availability

SERIES 600

M30

15		15
Chrome-plated brass		Nickel-plated brass
Connector S12		Connector S12
IP 67		IP 67
Non-embeddable		Non-embeddable
850 Hz	500 Hz	25 Hz (AC) / 220 Hz (DC)
Table 1	Table 11	Table 4
Diagram 2	Diagram 7	Diagram 3
Built-in	Built-in	Built-in
10 ... 30 VDC	10 ... 65 VDC	20 ... 265 VAC / 20 ... 320 VDC
-25 ... +70 °C (-13 ... +158 °F)	-25 ... +70 °C (-13 ... +158 °F)	-25 ... +85 °C (-13 ... +185 °F)
≤ 200 mA	≤ 100 mA	≤ 300 mA



DW-AS-611-M30-002	
DW-AS-612-M30-002	
DW-AS-613-M30-002	
DW-AS-614-M30-002	
	DW-DS-615-M30-002****
	DW-AS-617-M30-002
	DW-AS-618-M30-002
G ... N (N.O.); K ... N (N.C.)	G ... N
	M, N

**** Please check availability

SERIES 700

M30

20*	20*
Stainless steel V2A	Stainless steel V2A
PUR cable type 11	Connector S12
IP 68	IP 67
Embeddable	Embeddable
100 Hz	100 Hz
Table 1	Table 1
Diagram 1	Diagram 2
Built-in	Built-in
10 ... 30 VDC	10 ... 30 VDC
-25 ... +70 °C (-13 ... +158 °F)	-25 ... +70 °C (-13 ... +158 °F)
≤ 200 mA	≤ 200 mA



600 psi

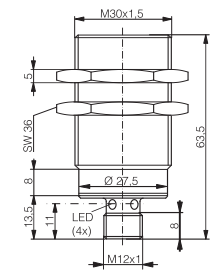
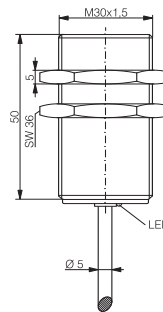


600 psi



all-metal

all-metal



DW-AD-701-M30	DW-AS-701-M30-002
DW-AD-702-M30	DW-AS-702-M30-002
DW-AD-703-M30	DW-AS-703-M30-002
DW-AD-704-M30	DW-AS-704-M30-002
	G ... N (N.O.); K ... N (N.C.)

* versions with 10 mm operating distance on request

1 Inductive proximity switches

2 Photoelectric proximity switches

3 Optical fibers

4 Ultrasonic proximity switches






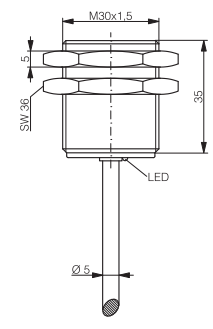
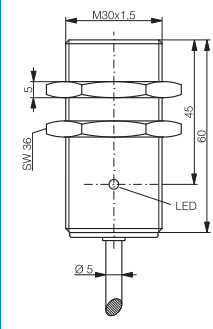
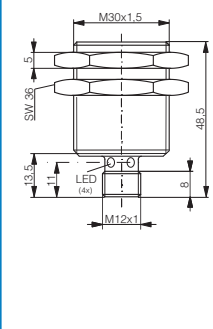
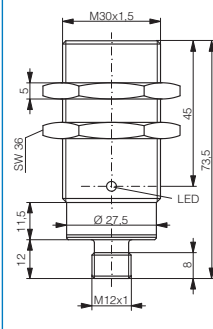
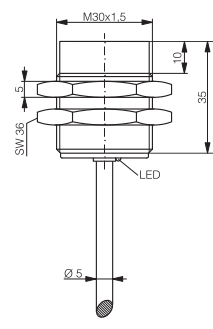
5 Connecting cables

6 Accessories

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M30

Housing size					
Operating distance mm	22	22	22	22	40
Housing material	Chrome-plated brass	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	PVC cable type 8
Degree of protection	IP 67	IP 67	IP 67	IP 67	IP 67
Mounting	Quasi-embeddable	Quasi-embeddable	Quasi-embeddable	Quasi-embeddable	Non-embeddable
Max. switching frequency	200 Hz	200 Hz	200 Hz	200 Hz	100 Hz
Technical data ²⁾	Table 1	Table 1	Table 1	Table 1	Table 1
Wiring ³⁾	Diagram 1	Diagram 1	Diagram 2	Diagram 2	Diagram 1
LED	Built-in	Built-in	Built-in	Built-in	Built-in
Supply voltage range	10 ... 30 VDC	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**	-25 ... +70 °C**
Output current	≤ 200 mA	≤ 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 76 ³⁾ see page 77 ⁴⁾ see page 146					
	long distance	long distance	long distance	long distance	long distance
Dimensions:					
Part references: (bold : preferred types)					
NPN N.O.	DW-AD-501-M30-120	DW-AD-501-M30	DW-AS-501-M30-120	DW-AS-501-M30-002	DW-AD-511-M30-120
NPN N.C.	DW-AD-502-M30-120	DW-AD-502-M30	DW-AS-502-M30-120	DW-AS-502-M30-002	DW-AD-512-M30-120
PNP N.O.	DW-AD-503-M30-120	DW-AD-503-M30	DW-AS-503-M30-120	DW-AS-503-M30-002	DW-AD-513-M30-120
PNP N.C.	DW-AD-504-M30-120	DW-AD-504-M30	DW-AS-504-M30-120	DW-AS-504-M30-002	DW-AD-514-M30-120
DC 2-wire N.O.					
AC/DC 2-wire N.O.					
AC/DC 2-wire N.C.					
Compatible connectors ⁴⁾			G ... N (N.O.); K ... N (N.C.)	G ... N (N.O.); K ... N (N.C.)	

** -13 ... +158 °F

SERIES 500

M30

40	40	40
Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
PVC cable type 8	Connector S12	Connector S12
IP 67	IP 67	IP 67
Non-embeddable	Non-embeddable	Non-embeddable
100 Hz	100 Hz	100 Hz
Table 1	Table 1	Table 1
Diagram 1	Diagram 2	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



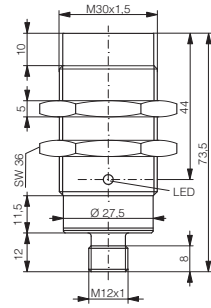
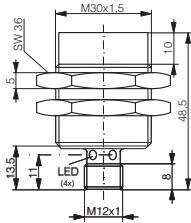
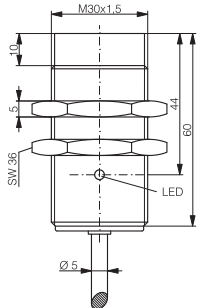
long distance



long distance



long distance



DW-AD-511-M30

DW-AD-512-M30

DW-AD-513-M30

DW-AD-514-M30

DW-AS-511-M30-120

DW-AS-512-M30-120

DW-AS-513-M30-120

DW-AS-514-M30-120

DW-AS-511-M30-002

DW-AS-512-M30-002

DW-AS-513-M30-002

DW-AS-514-M30-002

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

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

** -13 ... +158 °F

SERIES 700

M30

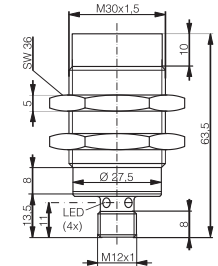
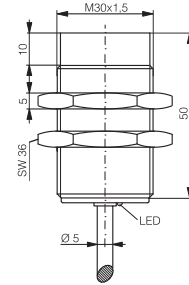
40*	40*
Stainless steel V2A	Stainless steel V2A
PUR cable type 11	Connector S12
IP 68	IP 67
Non-embeddable	Non-embeddable
100 Hz	100 Hz
Table 1	Table 1
Diagram 1	Diagram 2
Built-in	Built-in
10 ... 30 VDC	10 ... 30 VDC
-25 ... +70 °C**	-25 ... +70 °C**
≤ 200 mA	≤ 200 mA



all-metal



all-metal



DW-AD-711-M30

DW-AD-712-M30

DW-AD-713-M30

DW-AD-714-M30

DW-AS-711-M30-002

DW-AS-712-M30-002

DW-AS-713-M30-002

DW-AS-714-M30-002

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

* versions with 15 mm operating distance on request

1 Inductive proximity switches

2 Photoelectric proximity switches

3 Optical fibers

4 Ultrasonic proximity switches

5 Connecting cables

6 Accessories

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Glossary

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