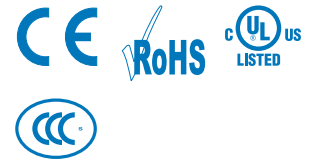


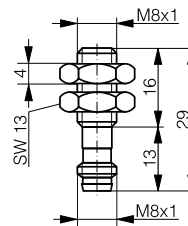
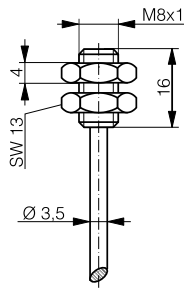
HOUSING SIZE	<b>M8</b>		HOUSING SIZE
OPERATING DISTANCE MM	1.5	1.5	OPERATING DISTANCE MM



**INDUCTIVE SENSORS:  
2-WIRE**



**NAMUR**



- 1) Standard cable length 2 m. Non-standard cable lengths and types on request. Cable type see page 271.
- 2) see page 132
- 3) see page 133
- 4) see page 268

- 1) Standard cable length 2 m. Non-standard cable lengths and types on request. Cable type see page 271.
- 2) see page 132
- 3) see page 133
- 4) see page 268

**TECHNICAL DATA**

Housing material	Stainless steel V2A	Stainless steel V2A	Housing material
Connection <sup>1)</sup>	PVC cable type 2	Connector S8	Connection <sup>1)</sup>
Degree of protection	IP 67	IP 67	Degree of protection
Mounting	Embeddable	Embeddable	Mounting
Max. switching frequency	10,000 Hz	10,000 Hz	Max. switching frequency
Additional technical data <sup>2)</sup>	Table 5	Table 5	Additional technical data <sup>2)</sup>
Wiring <sup>3)</sup>	Diagram 4	Diagram 4	Wiring <sup>3)</sup>
LED	---	---	LED
Supply voltage range	7.7 ... 9 VDC	7.7 ... 9 VDC	Supply voltage range
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C	Ambient temperature range
Output current	≤ 1 / ≥ 2.2 mA*	≤ 1 / ≥ 2.2 mA*	Output current
Approvals	CE, UL, RoHS	CE, UL, RoHS	Approvals

**PART REFERENCES: (BOLD: PREFERRED TYPES)**

NAMUR	<b>DW-AD-425-M8</b>	<b>DW-AS-425-M8-001</b>	DC 2-wire N.O.
			DC 2-wire N.C.
			AC / DC 2-wire N.O.
			AC / DC 2-wire N.C.
Compatible connectors <sup>4)</sup>		A, B	Compatible connectors <sup>4)</sup>

\* damped / non-damped

# M8

1.5

1.5

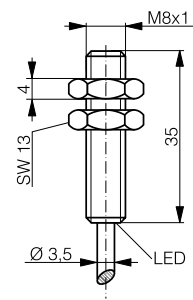
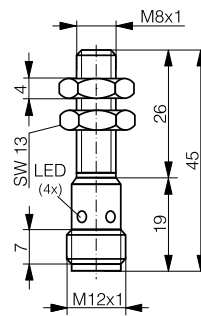
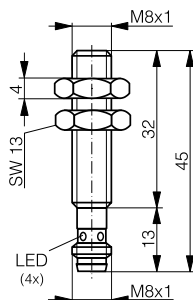
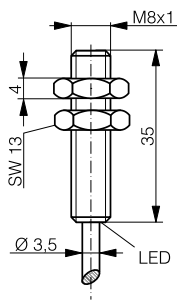
1.5

2



2-WIRE DC

2-WIRE DC / INCREASED OP. DIST.



Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
PVC cable type 2	Connector S8	Connector S12	PVC cable type 2
IP 67	IP 67	IP 67	IP 67
Embeddable	Embeddable	Embeddable	Embeddable
5,000 Hz	5,000 Hz	5,000 Hz	5,000 Hz
Table 9	Table 9	Table 9	Table 9
Diagram 7	Diagram 7	Diagram 7	Diagram 7
Built-in	Built-in	Built-in	Built-in
10 ... 65 VDC	10 ... 65 VDC	10 ... 65 VDC	10 ... 65 VDC
-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
≤ 100 mA	≤ 100 mA	≤ 100 mA	≤ 100 mA
CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS

<b>DW-DD-605-M8</b>	<b>DW-DS-605-M8-001</b>	<b>DW-DS-605-M8</b>	<b>DW-DD-625-M8</b>
DW-DD-606-M8	DW-DS-606-M8-001	DW-DS-606-M8	DW-DD-626-M8
	A, B	G, H, M, N (N.O.); M, N (N.C.)	

Inductive

Photoelectric

Optical fibers

Ultrasonic

Capacitive

Cables & connectors

Accessories

Glossary

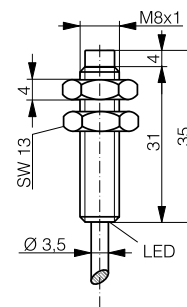
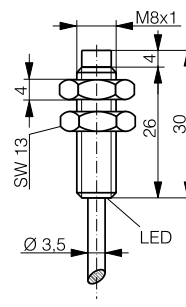
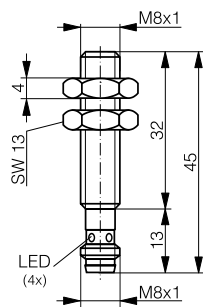
Index

HOUSING SIZE	M8		
OPERATING DISTANCE MM	2	2.5	2.5



2-WIRE DC / INCREASED OP. DIST.

2-WIRE DC



- 1) Standard cable length 2 m. Non-standard cable lengths and types on request. Cable type see page 271.
- 2) see page 132
- 3) see page 133
- 4) see page 268

### TECHNICAL DATA

Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection <sup>1)</sup>	Connector S8	PVC cable type 2	PVC cable type 2
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	5,000 Hz	5,000 Hz	5,000 Hz
Additional technical data <sup>2)</sup>	Table 9	Table 9	Table 9
Wiring <sup>3)</sup>	Diagram 7	Diagram 7	Diagram 7
LED	Built-in	Built-in	Built-in
Supply voltage range	10 ... 65 VDC	10 ... 65 VDC	10 ... 65 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 100 mA	≤ 100 mA	≤ 100 mA
Approvals	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS

### PART REFERENCES: (BOLD: PREFERRED TYPES)

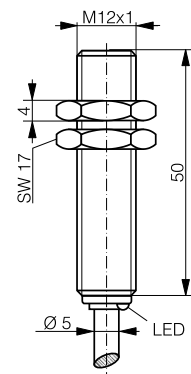
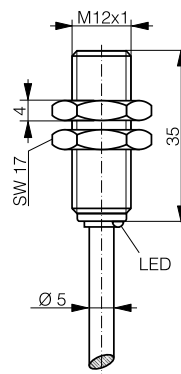
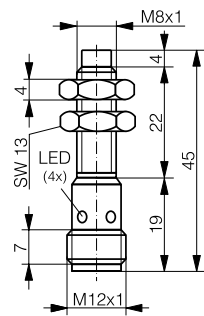
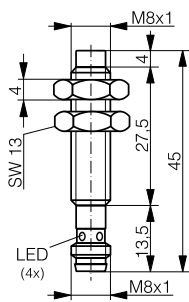
DC 2-wire N.O.	<b>DW-DS-625-M8-001</b>	<b>DW-DD-615-M8-122</b>	<b>DW-DD-615-M8</b>
DC 2-wire N.C.	DW-DS-626-M8-001	DW-DD-616-M8-122	DW-DD-616-M8
AC / DC 2-wire N.O.			
AC / DC 2-wire N.C.			
Compatible connectors <sup>4)</sup>	A, B		

M8		M12	
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2.5	2.5	2	2
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2-WIRE DC



Stainless steel V2A	Stainless steel V2A	Chrome-plated brass	Chrome-plated brass
Connector S8	Connector S12	PVC cable type 14	PVC cable type 14
IP 67	IP 67	IP 67	IP 67
Non-embeddable	Non-embeddable	Embeddable	Embeddable
5,000 Hz	5,000 Hz	3,000 Hz	3,000 Hz
Table 9	Table 9	Table 9	Table 9
Diagram 7	Diagram 7	Diagram 7	Diagram 7
Built-in	Built-in	Built-in	Built-in
10 ... 65 VDC	10 ... 65 VDC	10 ... 65 VDC	10 ... 65 VDC
-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
≤ 100 mA	≤ 100 mA	≤ 100 mA	≤ 100 mA
CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS

<b>DW-DS-615-M8-001</b>	<b>DW-DS-615-M8</b>	<b>DW-DD-605-M12-120</b>	<b>DW-DD-605-M12</b>
DW-DS-616-M8-001	DW-DS-616-M8	DW-DD-606-M12-120	DW-DD-606-M12
A, B	G, H, M, N (N.O.); M, N (N.C.)		

Inductive

Photoelectric

Optical fibers

Ultrasonic

Capacitive

Cables & connectors

Accessories

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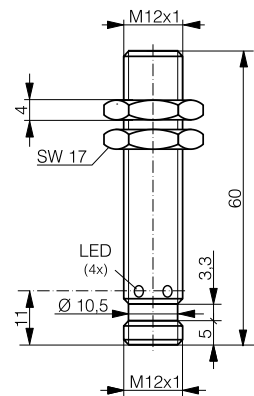
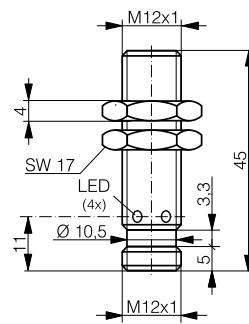
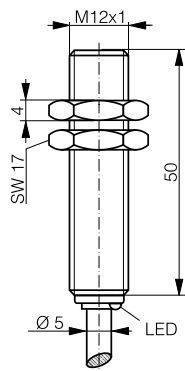
HOUSING SIZE	M12		
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OPERATING DISTANCE MM	2	2	2
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2-WIRE AC/DC

2-WIRE DC



- 1) Standard cable length 2 m. Non-standard cable lengths and types on request. Cable type see page 271.
- 2) see page 132
- 3) see page 133
- 4) see page 268

TECHNICAL DATA		TECHNICAL DATA	
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Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection <sup>1)</sup>	PVC cable type 14	Connector S12	Connector S12
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	25 Hz (AC) / 3,000 Hz (DC)	3,000 Hz	3,000 Hz
Additional technical data <sup>2)</sup>	Table 6	Table 9	Table 9
Wiring <sup>3)</sup>	Diagram 3	Diagram 7	Diagram 7
LED	Built-in	Built-in	Built-in
Supply voltage range	20 ... 265 VAC / 10 ... 320 VDC	10 ... 65 VDC	10 ... 65 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 200 mA	≤ 100 mA	≤ 100 mA
Approvals	CE, CCC, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS

PART REFERENCES: (BOLD: PREFERRED TYPES)		PART REFERENCES: (BOLD: PREFERRED TYPES)	
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DC 2-wire N.O.		<b>DW-DS-605-M12-120</b>	<b>DW-DS-605-M12</b>
DC 2-wire N.C.		DW-DS-606-M12-120	DW-DS-606-M12
AC / DC 2-wire N.O.	<b>DW-AD-607-M12</b>		
AC / DC 2-wire N.C.	DW-AD-608-M12		
Compatible connectors <sup>4)</sup>		G, H, M, N (N.O.); M, N (N.C.)	G, H, M, N (N.O.); M, N (N.C.)

# M12

2

4

4

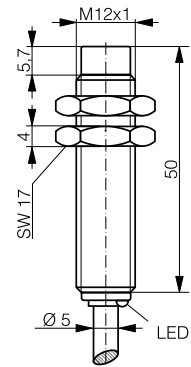
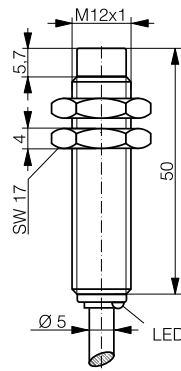
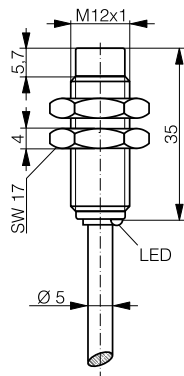
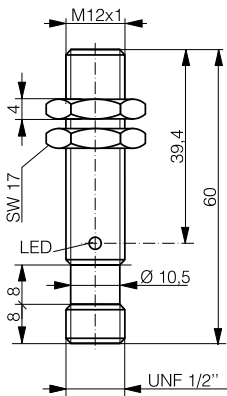
4



2-WIRE AC/DC

2-WIRE DC

2-WIRE AC/DC



Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connector 1/2"	PVC cable type 14	PVC cable type 14	PVC cable type 14
IP 67	IP 67	IP 67	IP 67
Embeddable	Non-embeddable	Non-embeddable	Non-embeddable
25 Hz (AC) / 3,000 Hz (DC)	2,500 Hz	2,500 Hz	25 Hz (AC) / 2,000 Hz (DC)
Table 6	Table 9	Table 9	Table 6
Diagram 3	Diagram 7	Diagram 7	Diagram 3
Built-in	Built-in	Built-in	Built-in
20 ... 265 VAC / 10 ... 320 VDC	10 ... 65 VDC	10 ... 65 VDC	20 ... 265 VAC / 10 ... 320 VDC
-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
≤ 200 mA	≤ 100 mA	≤ 100 mA	≤ 200 mA
CE, CCC, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, RoHS

	<b>DW-DD-615-M12-120</b>	<b>DW-DD-615-M12</b>	
	DW-DD-616-M12-120	DW-DD-616-M12	
<b>DW-AS-607-M12-069</b>			<b>DW-AD-617-M12</b>
DW-AS-608-M12-069			DW-AD-618-M12
Q, R			

Inductive

Photoelectric

Optical fibers

Ultrasonic

Capacitive

Cables & connectors

Accessories

Glossary

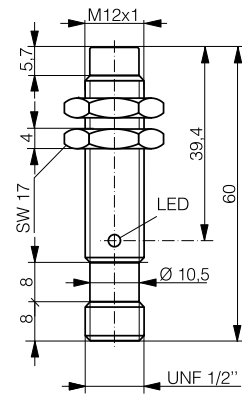
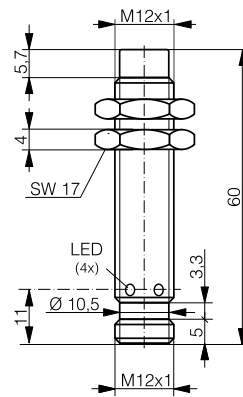
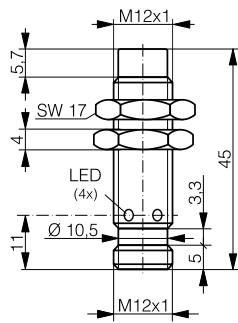
Index

HOUSING SIZE	M12		
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OPERATING DISTANCE MM	4	4	4
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2-WIRE DC	2-WIRE AC/DC
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- 1) Standard cable length 2 m. Non-standard cable lengths and types on request. Cable type see page 271.
- 2) see page 132
- 3) see page 133
- 4) see page 268

TECHNICAL DATA			
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Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection <sup>1)</sup>	Connector S12	Connector S12	Connector 1/2"
Degree of protection	IP 67	IP 67	IP 67
Mounting	Non-embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	2,500 Hz	2,500 Hz	25 Hz (AC) / 2,000 Hz (DC)
Additional technical data <sup>2)</sup>	Table 9	Table 9	Table 6
Wiring <sup>3)</sup>	Diagram 7	Diagram 7	Diagram 3
LED	Built-in	Built-in	Built-in
Supply voltage range	10 ... 65 VDC	10 ... 65 VDC	20 ... 265 VAC / 10 ... 320 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 100 mA	≤ 100 mA	≤ 200 mA
Approvals	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, RoHS

PART REFERENCES: (BOLD: PREFERRED TYPES)			
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DC 2-wire N.O.	<b>DW-DS-615-M12-120</b>	<b>DW-DS-615-M12</b>	
DC 2-wire N.C.	DW-DS-616-M12-120	DW-DS-616-M12	
AC / DC 2-wire N.O.			<b>DW-AS-617-M12-069</b>
AC / DC 2-wire N.C.			DW-AS-618-M12-069
Compatible connectors <sup>4)</sup>	G, H, M, N (N.O.); M, N (N.C.)	G, H, M, N (N.O.); M, N (N.C.)	Q, R

# M12

4

4

4

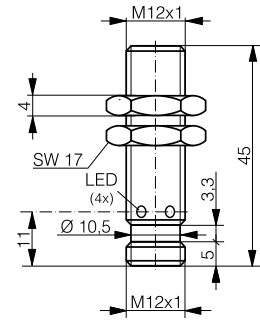
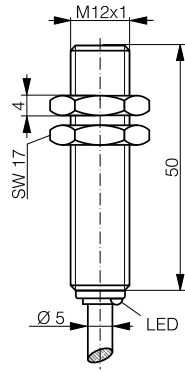
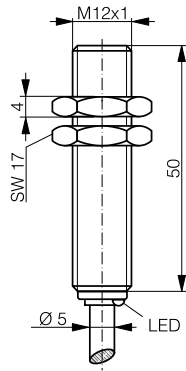
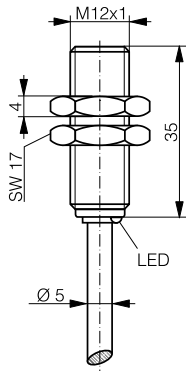
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2-WIRE DC / INCREASED OPERATING DISTANCE

2-WIRE AC/DC / INCREASED OP. DIST.

2-WIRE DC / INCREASED OP. DIST.



Chrome-plated brass  
PVC cable type 14  
IP 67  
Embeddable  
2,000 Hz  
Table 9  
Diagram 7  
Built-in  
10 ... 65 VDC  
-25 ... +70 °C  
≤ 100 mA  
CE, CCC, UL, RoHS

Chrome-plated brass  
PVC cable type 14  
IP 67  
Embeddable  
2,000 Hz  
Table 9  
Diagram 7  
Built-in  
10 ... 65 VDC  
-25 ... +70 °C  
≤ 100 mA  
CE, CCC, UL, RoHS

Chrome-plated brass  
PVC cable type 14  
IP 67  
Embeddable  
25 Hz (AC) / 2,000 Hz (DC)  
Table 6  
Diagram 3  
Built-in  
20 ... 265 VAC / 10 ... 320 VDC  
-25 ... +70 °C  
≤ 200 mA  
CE, CCC, RoHS

Chrome-plated brass  
Connector S12  
IP 67  
Embeddable  
2,000 Hz  
Table 9  
Diagram 7  
Built-in  
10 ... 65 VDC  
-25 ... +70 °C  
≤ 100 mA  
CE, CCC, UL, RoHS

**DW-DD-625-M12-120**  
DW-DD-626-M12-120

**DW-DD-625-M12**  
DW-DD-626-M12

**DW-AD-627-M12**  
DW-AD-628-M12

**DW-DS-625-M12-120**  
DW-DS-626-M12-120

G, H, M, N (N.O.); M, N (N.C.)

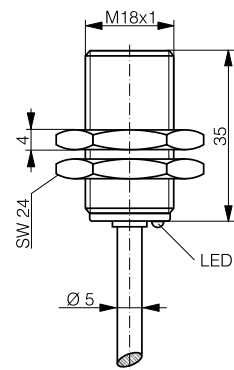
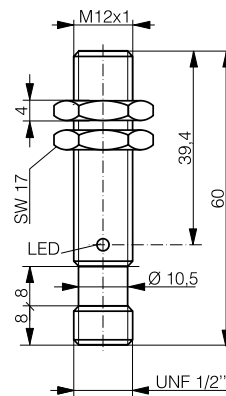
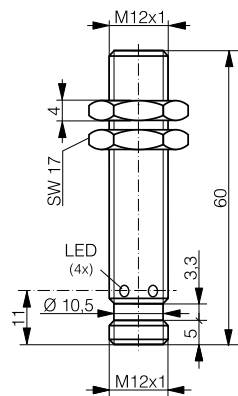
HOUSING SIZE	M12		M18
OPERATING DISTANCE MM	4	4	5



2-WIRE DC / INCREASED OP.DIST.

2-WIRE AC/DC / INCREASED OP. DIST.

2-WIRE DC



- 1) Standard cable length 2 m. Non-standard cable lengths and types on request. Cable type see page 271.
- 2) see page 132
- 3) see page 133
- 4) see page 268

TECHNICAL DATA			
Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection <sup>1)</sup>	Connector S12	Connector 1/2"	PVC cable type 14
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	2,000 Hz	25 Hz (AC) / 2,000 Hz (DC)	1,500 Hz
Additional technical data <sup>2)</sup>	Table 9	Table 6	Table 9
Wiring <sup>3)</sup>	Diagram 7	Diagram 3	Diagram 7
LED	Built-in	Built-in	Built-in
Supply voltage range	10 ... 65 VDC	20 ... 265 VAC / 10 ... 320 VDC	10 ... 65 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 100 mA	≤ 200 mA	≤ 100 mA
Approvals	CE, CCC, UL, RoHS	CE, CCC, RoHS	CE, CCC, UL, RoHS

PART REFERENCES: (BOLD: PREFERRED TYPES)			
DC 2-wire N.O.	<b>DW-DS-625-M12</b>		<b>DW-DD-605-M18-120</b>
DC 2-wire N.C.	DW-DS-626-M12		DW-DD-606-M18-120
AC / DC 2-wire N.O.		<b>DW-AS-627-M12-069</b>	
AC / DC 2-wire N.C.		DW-AS-628-M12-069	
Compatible connectors <sup>4)</sup>	G, H, M, N (N.O.); M, N (N.C.)	Q, R	

# M18

5

5

5

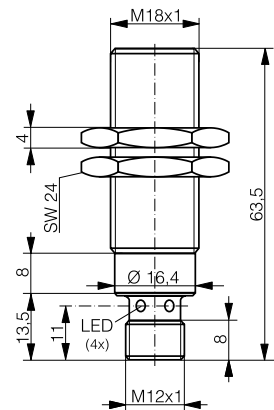
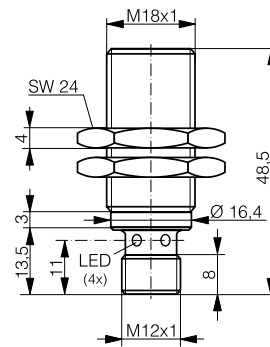
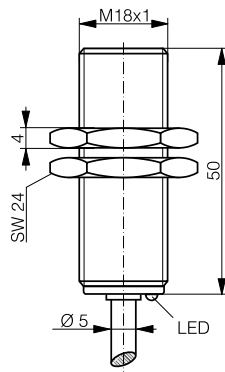
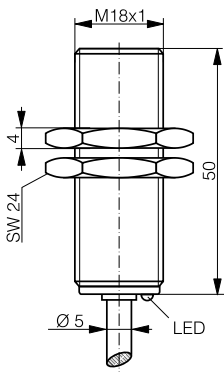
5



2-WIRE DC

2-WIRE AC/DC

2-WIRE DC



Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
PVC cable type 14	PVC cable type 14	Connector S12	Connector S12
IP 67	IP 67	IP 67	IP 67
Embeddable	Embeddable	Embeddable	Embeddable
1,500 Hz	25 Hz (AC) / 1,500 Hz (DC)	1,500 Hz	1,500 Hz
Table 9	Table 6	Table 9	Table 9
Diagram 7	Diagram 3	Diagram 7	Diagram 7
Built-in	Built-in	Built-in	Built-in
10 ... 65 VDC	20 ... 265 VAC / 10 ... 320 VDC	10 ... 65 VDC	10 ... 65 VDC
-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
≤ 100 mA	≤ 200 mA	≤ 100 mA	≤ 100 mA
CE, CCC, UL, RoHS	CE, CCC, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS

<b>DW-DD-605-M18</b>		<b>DW-DS-605-M18-120</b>	<b>DW-DS-605-M18-002</b>
DW-DD-606-M18		DW-DS-606-M18-120	DW-DS-606-M18-002
	<b>DW-AD-607-M18</b>		
	DW-AD-608-M18		
		G, H, M, N (N.O.); M, N (N.C.)	G, H, M, N (N.O.); M, N (N.C.)

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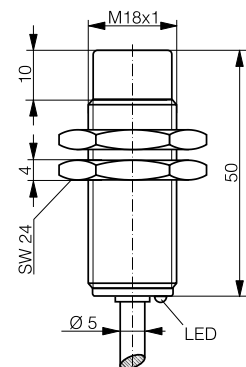
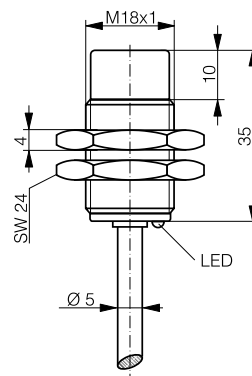
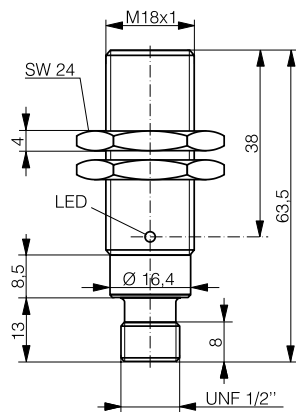
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HOUSING SIZE	M18		
OPERATING DISTANCE MM	5	8	8



2-WIRE AC/DC

2-WIRE DC



- 1) Standard cable length 2 m. Non-standard cable lengths and types on request. Cable type see page 271.
- 2) see page 132
- 3) see page 133
- 4) see page 268

### TECHNICAL DATA

Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection <sup>1)</sup>	Connector 1/2"	PVC cable type 14	PVC cable type 14
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	25 Hz (AC) / 1,500 Hz (DC)	1,200 Hz	1,200 Hz
Additional technical data <sup>2)</sup>	Table 6	Table 9	Table 9
Wiring <sup>3)</sup>	Diagram 3	Diagram 7	Diagram 7
LED	Built-in	Built-in	Built-in
Supply voltage range	20 ... 265 VAC / 10 ... 320 VDC	10 ... 65 VDC	10 ... 65 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 200 mA	≤ 100 mA	≤ 100 mA
Approvals	CE, CCC, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS

### PART REFERENCES: (BOLD: PREFERRED TYPES)

DC 2-wire N.O.		<b>DW-DD-615-M18-120</b>	<b>DW-DD-615-M18</b>
DC 2-wire N.C.		DW-DD-616-M18-120	DW-DD-616-M18
AC / DC 2-wire N.O.	<b>DW-AS-607-M18-069</b>		
AC / DC 2-wire N.C.	DW-AS-608-M18-069		
Compatible connectors <sup>4)</sup>	Q, R		

# M18

8

8

8

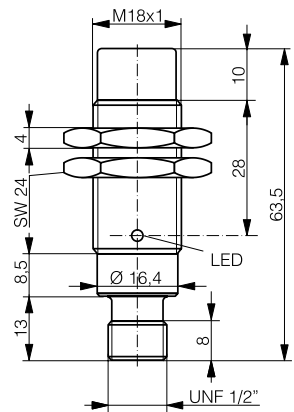
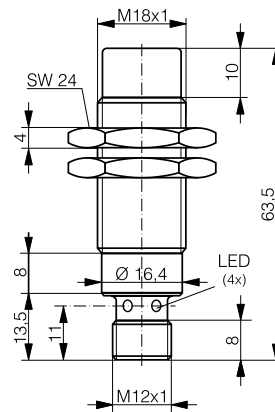
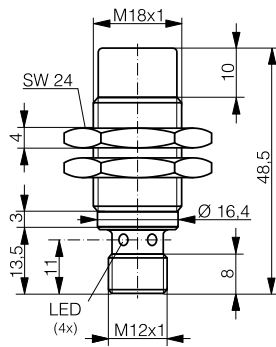
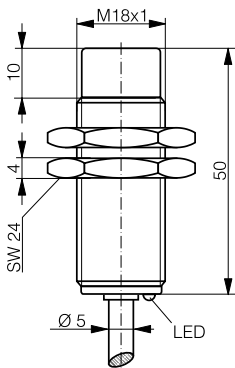
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2-WIRE AC/DC

2-WIRE DC

2-WIRE AC/DC



Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
PVC cable type 14	Connector S12	Connector S12	Connector 1/2"
IP 67	IP 67	IP 67	IP 67
Non-embeddable	Non-embeddable	Non-embeddable	Non-embeddable
25 Hz (AC) / 1,200 Hz (DC)	1,200 Hz	1,200 Hz	25 Hz (AC) / 1,200 Hz (DC)
Table 6	Table 9	Table 9	Table 6
Diagram 3	Diagram 7	Diagram 7	Diagram 3
Built-in	Built-in	Built-in	Built-in
20 ... 265 VAC / 10 ... 320 VDC	10 ... 65 VDC	10 ... 65 VDC	20 ... 265 VAC / 10 ... 320 VDC
-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
≤ 200 mA	≤ 100 mA	≤ 100 mA	≤ 200 mA
CE, CCC, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, RoHS

	<b>DW-DS-615-M18-120</b>	<b>DW-DS-615-M18-002</b>	
	DW-DS-616-M18-120	DW-DS-616-M18-002	
<b>DW-AD-617-M18</b>			<b>DW-AS-617-M18-069</b>
DW-AD-618-M18			DW-AS-618-M18-069
	G, H, M, N (N.O.); M, N (N.C.)	G, H, M, N (N.O.); M, N (N.C.)	Q, R

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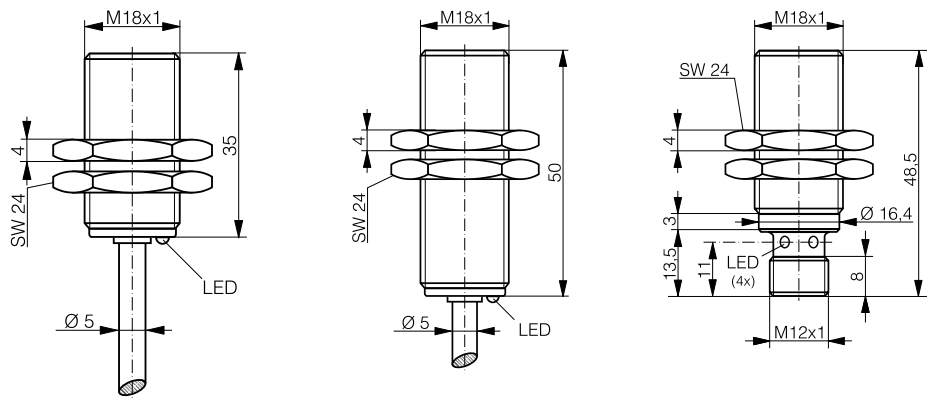
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HOUSING SIZE	M18		
OPERATING DISTANCE MM	8	8	8



**2-WIRE DC / INCREASED OPERATING DISTANCE**



- 1) Standard cable length 2 m. Non-standard cable lengths and types on request. Cable type see page 271.
- 2) see page 132
- 3) see page 133
- 4) see page 268

**TECHNICAL DATA**

Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection <sup>1)</sup>	PVC cable type 14	PVC cable type 14	Connector S12
Degree of protection	IP 67	IP 67	IP 67
Mounting	Quasi-embeddable	Quasi-embeddable	Quasi-embeddable
Max. switching frequency	1,000 Hz	1,000 Hz	1,000 Hz
Additional technical data <sup>2)</sup>	Table 9	Table 9	Table 9
Wiring <sup>3)</sup>	Diagram 7	Diagram 7	Diagram 7
LED	Built-in	Built-in	Built-in
Supply voltage range	10 ... 65 VDC	10 ... 65 VDC	10 ... 65 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 100 mA	≤ 100 mA	≤ 100 mA
Approvals	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS

**PART REFERENCES: (BOLD: PREFERRED TYPES)**

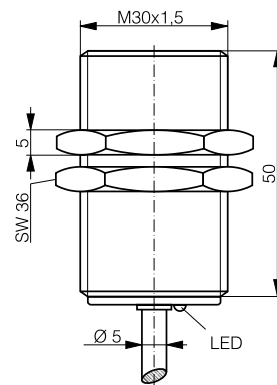
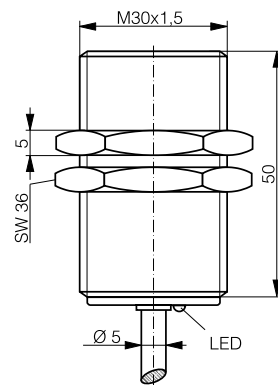
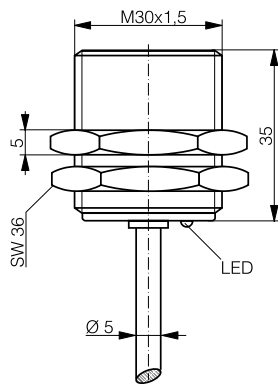
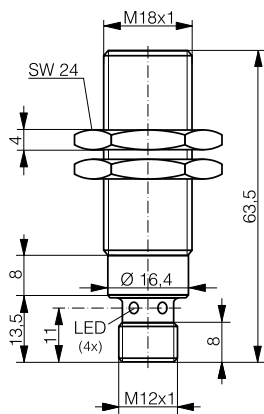
DC 2-wire N.O.	<b>DW-DD-625-M18-120</b>	<b>DW-DD-625-M18</b>	<b>DW-DS-625-M18-120</b>
DC 2-wire N.C.	DW-DD-626-M18-120	DW-DD-626-M18	DW-DS-626-M18-120
AC / DC 2-wire N.O.			
AC / DC 2-wire N.C.			
Compatible connectors <sup>4)</sup>			G, H, M, N (N.O.); M, N (N.C.)

M18	M30		
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8	10	10	10
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2-WIRE DC / INCREASED OP. DIST.	2-WIRE DC		2-WIRE AC/DC
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Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connector S12	PVC cable type 14	PVC cable type 14	PVC cable type 14
IP 67	IP 67	IP 67	IP 67
Quasi-embeddable	Embeddable	Embeddable	Embeddable
1,000 Hz	600 Hz	600 Hz	25 Hz (AC) / 600 Hz (DC)
Table 9	Table 9	Table 9	Table 6
Diagram 7	Diagram 7	Diagram 7	Diagram 3
Built-in	Built-in	Built-in	Built-in
10 ... 65 VDC	10 ... 65 VDC	10 ... 65 VDC	20 ... 265 VAC / 10 ... 320 VDC
-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
≤ 100 mA	≤ 100 mA	≤ 100 mA	≤ 200 mA
CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, RoHS

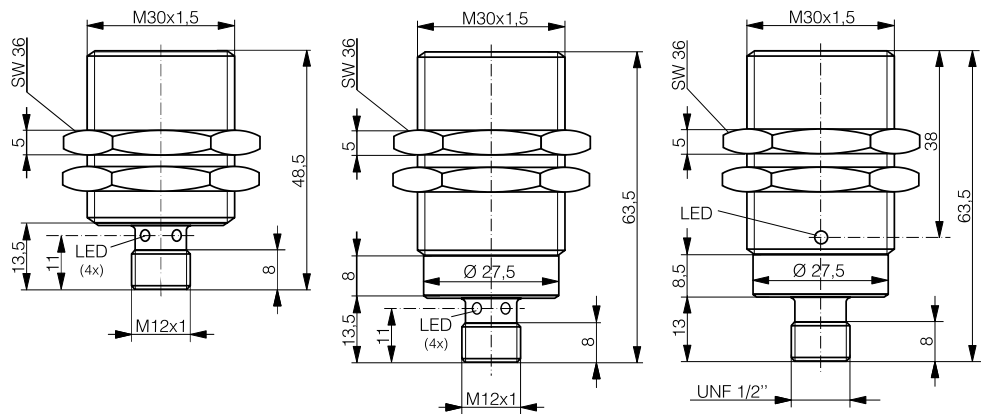
<b>DW-DS-625-M18-002</b>	<b>DW-DD-605-M30-120</b>	<b>DW-DD-605-M30</b>	<b>DW-AD-607-M30</b>
DW-DS-626-M18-002	DW-DD-606-M30-120	DW-DD-606-M30	DW-AD-608-M30
G, H, M, N (N.O.); M, N (N.C.)			

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HOUSING SIZE	M30		
OPERATING DISTANCE MM	10	10	10



2-WIRE DC	2-WIRE AC/DC
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- 1) Standard cable length 2 m. Non-standard cable lengths and types on request. Cable type see page 271.
- 2) see page 132
- 3) see page 133
- 4) see page 268

### TECHNICAL DATA

Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection <sup>1)</sup>	Connector S12	Connector S12	Connector 1/2"
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	600 Hz	600 Hz	25 Hz (AC) / 600 Hz (DC)
Additional technical data <sup>2)</sup>	Table 9	Table 9	Table 6
Wiring <sup>3)</sup>	Diagram 7	Diagram 7	Diagram 3
LED	Built-in	Built-in	Built-in
Supply voltage range	10 ... 65 VDC	10 ... 65 VDC	20 ... 265 VAC / 10 ... 320 VDC
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
Output current	≤ 100 mA	≤ 100 mA	≤ 200 mA
Approvals	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, RoHS

### PART REFERENCES: (BOLD: PREFERRED TYPES)

DC 2-wire N.O.	<b>DW-DS-605-M30-120</b>	<b>DW-DS-605-M30-002</b>	
DC 2-wire N.C.	DW-DS-606-M30-120	DW-DS-606-M30-002	
AC / DC 2-wire N.O.			<b>DW-AS-607-M30-069</b>
AC / DC 2-wire N.C.			DW-AS-608-M30-069
Compatible connectors <sup>4)</sup>	G, H, M, N (N.O.); M, N (N.C.)	G, H, M, N (N.O.); M, N (N.C.)	Q, R

# M30

15

15

15

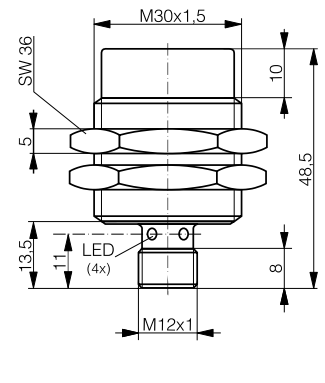
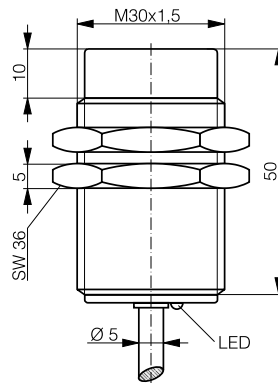
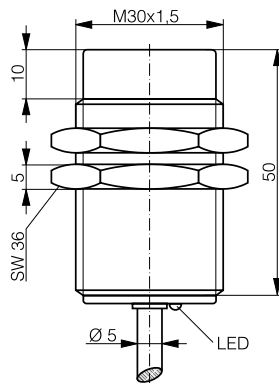
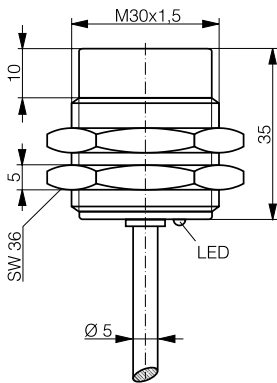
15



2-WIRE DC

2-WIRE AC/DC

2-WIRE DC



Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
PVC cable type 14	PVC cable type 14	PVC cable type 14	Connector S12
IP 67	IP 67	IP 67	IP 67
Non-embeddable	Non-embeddable	Non-embeddable	Non-embeddable
500 Hz	500 Hz	25 Hz (AC) / 500 Hz (DC)	500 Hz
Table 9	Table 9	Table 6	Table 9
Diagram 7	Diagram 7	Diagram 3	Diagram 7
Built-in	Built-in	Built-in	Built-in
10 ... 65 VDC	10 ... 65 VDC	20 ... 265 VAC / 10 ... 320 VDC	10 ... 65 VDC
-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
≤ 100 mA	≤ 100 mA	≤ 200 mA	≤ 100 mA
CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, RoHS	CE, CCC, UL, RoHS

<b>DW-DD-615-M30-120</b>	<b>DW-DD-615-M30</b>		<b>DW-DS-615-M30-120</b>
DW-DD-616-M30-120	DW-DD-616-M30		DW-DS-616-M30-120
		<b>DW-AD-617-M30</b>	
		DW-AD-618-M30	
			G, H, M, N (N.O.); M, N (N.C.)

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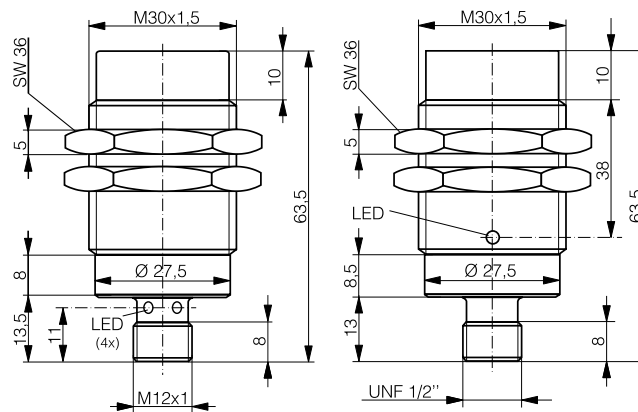
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HOUSING SIZE	M30		
OPERATING DISTANCE MM	15	15	



2-WIRE DC	2-WIRE AC/DC
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- 1) Standard cable length 2 m. Non-standard cable lengths and types on request. Cable type see page 271.
- 2) see page 132
- 3) see page 133
- 4) see page 268

### TECHNICAL DATA

Housing material	Chrome-plated brass	Chrome-plated brass	
Connection <sup>1)</sup>	Connector S12	Connector 1/2"	
Degree of protection	IP 67	IP 67	
Mounting	Non-embeddable	Non-embeddable	
Max. switching frequency	500 Hz	25 Hz (AC) / 500 Hz (DC)	
Additional technical data <sup>2)</sup>	Table 9	Table 6	
Wiring <sup>3)</sup>	Diagram 7	Diagram 3	
LED	Built-in	Built-in	
Supply voltage range	10 ... 65 VDC	20 ... 265 VAC / 10 ... 320 VDC	
Ambient temperature range	-25 ... +70 °C	-25 ... +70 °C	
Output current	≤ 100 mA	≤ 200 mA	
Approvals	CE, CCC, UL, RoHS	CE, CCC, RoHS	

### PART REFERENCES: (BOLD: PREFERRED TYPES)

DC 2-wire N.O.	<b>DW-DS-615-M30-002</b>		
DC 2-wire N.C.	DW-DS-616-M30-002		
AC / DC 2-wire N.O.		<b>DW-AS-617-M30-069</b>	
AC / DC 2-wire N.C.		DW-AS-618-M30-069	
Compatible connectors <sup>4)</sup>	G, H, M, N (N.O.); M, N (N.C.)	Q, R	

40 X 40

40 X 120

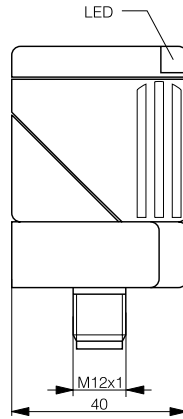
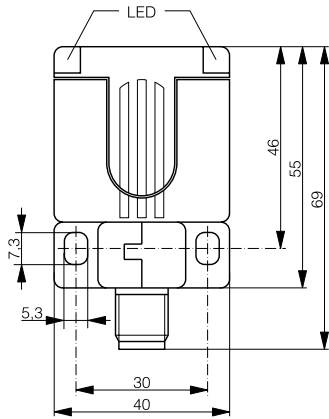
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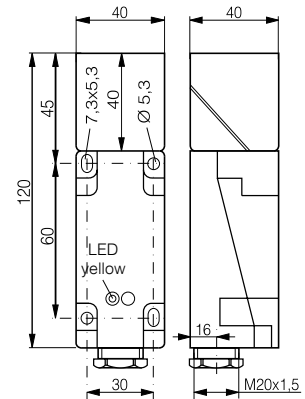
15



2-WIRE AC/DC



Sensing face can be rotated to 5 different sides.



Sensing face can be rotated to 5 different sides.

PBTP	PBTP	PBTP	PBTP	PBTP	PBTP
Connector S12	Connector S12	Connector S12	Connector S12	Screw terminal	Screw terminal
IP 67	IP 67	IP 67	IP 67	IP 65	IP 65
Embeddable	Non-embeddable	Embeddable	Non-embeddable	Embeddable	Embeddable
25 Hz (AC) / 50 Hz (DC)	25 Hz (AC) / 30 Hz (DC)	25 Hz (AC) / 50 Hz (DC)	25 Hz (AC) / 30 Hz (DC)	25 Hz (AC) / 150 Hz (DC)	25 Hz (AC) / 150 Hz (DC)
Table 8	Table 8	Table 8	Table 8	Table 4	Table 4
Diagram 8	Diagram 8	Diagram 8	Diagram 8	Diagram 8	Diagram 8
Built-in	Built-in	Built-in	Built-in	Built-in	Built-in
20 ... 265 VAC / 20 ... 320 VDC	20 ... 265 VAC / 20 ... 320 VDC	20 ... 265 VAC / 20 ... 320 VDC	20 ... 265 VAC / 20 ... 320 VDC	20 ... 265 VAC / 20 ... 320 VDC	20 ... 265 VAC / 20 ... 320 VDC
-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C
≤ 300 mA	≤ 300 mA	≤ 300 mA	≤ 300 mA	≤ 300 mA	≤ 300 mA
CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS

<b>DW-AS-607-C44</b>	<b>DW-AS-617-C44</b>	<b>DW-AD-607-C40*</b>
G, H, M, N	G, H, M, N	

\* N.O. / N.C. switchable

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