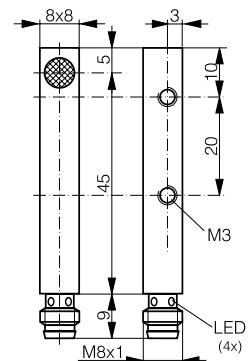
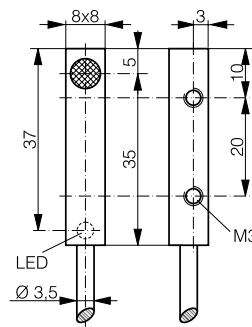
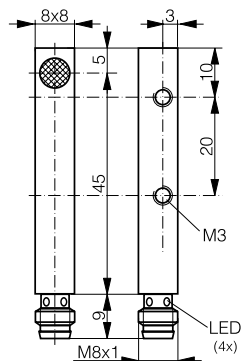


**HOUSING SIZE** **8 X 8**

<b>OPERATING DISTANCE MM</b>	<b>1.5</b>	<b>2</b>	<b>2</b>
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**INCREASED DISTANCE** **INCREASED 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	Nickel-plated brass	Chrome-plated brass	Chrome-plated brass
Connection <sup>1)</sup>	Connector S8	PVC cable type 2	Connector S8
Degree of protection	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable
Max. switching frequency	5,000 Hz	3,000 Hz	3,000 Hz
Additional technical data <sup>2)</sup>	Table 1	Table 1	Table 1
Wiring <sup>3)</sup>	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
Approvals	CE, UL, RoHS	CE, UL, RoHS	CE, UL, RoHS

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

NPN N.O.	<b>DW-AS-601-C8-001</b>	<b>DW-AD-621-C8</b>	<b>DW-AS-621-C8-001</b>
NPN N.C.	DW-AS-602-C8-001	DW-AD-622-C8	DW-AS-622-C8-001
PNP N.O.	<b>DW-AS-603-C8-001</b>	<b>DW-AD-623-C8</b>	<b>DW-AS-623-C8-001</b>
PNP N.C.	DW-AS-604-C8-001	DW-AD-624-C8	DW-AS-624-C8-001
Compatible connectors <sup>4)</sup>	A, B		A, B

## 8 X 8

3



LONG DISTANCE

3



LONG DISTANCE

## M12

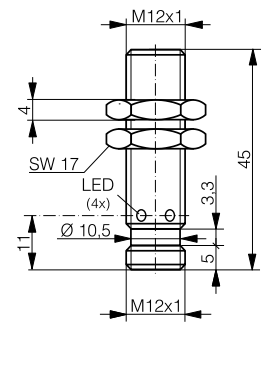
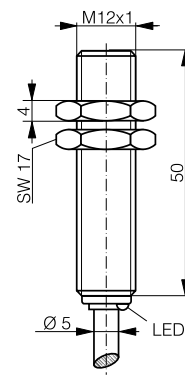
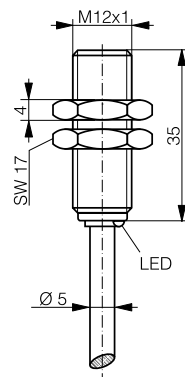
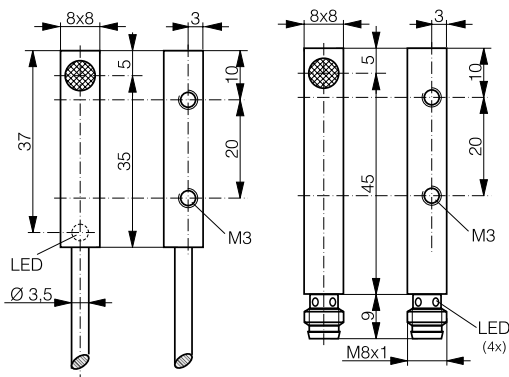
2



2



2



8 X 8		M12		
Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
PVC cable type 2	Connector S8	PVC cable type 8	PVC cable type 8	Connector S12
IP 67	IP 67	IP 67	IP 67	IP 67
Quasi-embeddable	Quasi-embeddable	Embeddable	Embeddable	Embeddable
1,000 Hz	1,000 Hz	3,000 Hz	3,000 Hz	3,000 Hz
Table 1	Table 1	Table 1	Table 1	Table 1
Diagram 1	Diagram 1	Diagram 1	Diagram 1	Diagram 2
Built-in	Built-in	Built-in	Built-in	Built-in
10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C	-25 ... +70 °C
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
CE, UL, RoHS	CE, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS	CE, CCC, UL, RoHS

<b>DW-AD-501-C8</b>	<b>DW-AS-501-C8</b>	<b>DW-AD-601-M12-120</b>	<b>DW-AD-601-M12</b>	<b>DW-AS-601-M12-120</b>
DW-AD-502-C8	DW-AS-502-C8	DW-AD-602-M12-120	DW-AD-602-M12	DW-AS-602-M12-120
<b>DW-AD-503-C8</b>	<b>DW-AS-503-C8</b>	<b>DW-AD-603-M12-120</b>	<b>DW-AD-603-M12</b>	<b>DW-AS-603-M12-120</b>
DW-AD-504-C8	DW-AS-504-C8	DW-AD-604-M12-120	DW-AD-604-M12	DW-AS-604-M12-120
	A, B			G, H, M, N (N.O.); M, N (N.C.)

Inductive

Photoelectric

Optical fibers

Ultrasonic

Capacitive

Cables & connectors

Accessories

Glossary

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