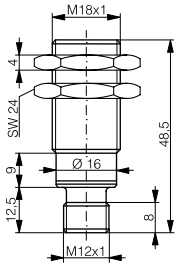
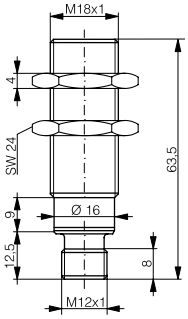
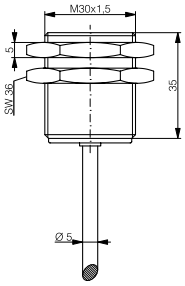
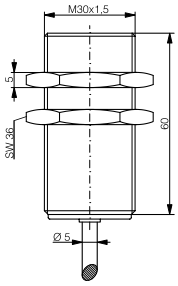
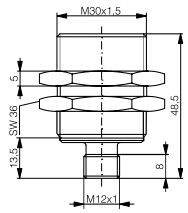
Housing size	M18		M30		
Sensing range mm	0 ...10	0 ...10	0 ... 20	0 ... 20	0 ... 20
Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection [1]	Connector S12	Connector S12	PUR cable type 7	PUR cable type 7	Connector S12
Degree of protection	IP 67	IP 67	IP 67	IP 67	IP 67
Bandwidth (-3 dB)	500 Hz (at s = 5mm)	500 Hz (at s = 5mm)	200 Hz (at s = 10mm)	200 Hz (at s = 10mm)	200 Hz (at s = 10mm)
Mounting	Quasi-embeddable	Quasi-embeddable	Quasi-embeddable	Quasi-embeddable	Quasi-embeddable
Technical data [2]	Table 7	Table 7	Table 7	Table 7	Table 7
Voltage output	0 ... 5 V / 0 ... 10 V	0 ... 5 V / 0 ... 10 V	0 ... 5 V / 0 ... 10 V	0 ... 5 V / 0 ... 10 V	0 ... 5 V / 0 ... 10 V
Current output	1...5 mA / 4...20 mA	1...5 mA / 4...20 mA	1...5 mA / 4...20 mA	1...5 mA / 4...20 mA	1...5 mA / 4...20 mA
Wiring [3]	Diagram 5	Diagram 5	Diagram 5	Diagram 5	Diagram 5
Supply voltage range	10...30 / 15...30 VDC*	10...30 / 15...30 VDC*	10...30 / 15...30 VDC*	10...30 / 15...30 VDC*	10...30 / 15...30 VDC*
Ambient temperature range	-25 ... +70 °C**	-25 ... +70 °C**	-25 ... +70 °C**	-25 ... +70 °C**	-25 ... +70 °C**
[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)					
Non-linearized:					
Outputs 0...5 V / 1...5 mA	**DW-AS-509-M18-120**	**DW-AS-509-M18-002**	DW-AD-509-M30-120	**DW-AD-509-M30**	DW-AS-509-M30-120
Outputs 0...10 V / 4...20 mA	**DW-AS-509-M18-320**	**DW-AS-509-M18-390**	DW-AD-509-M30-320	**DW-AD-509-M30-390**	DW-AS-509-M30-320
Compatible connectors [4]	M, N	M, N			M, N

* DW-A#-5#9-M##-320/390 ** Depending on operating conditions, limited temperature range for DW-A#-5#9-M##-320/390 (see data sheets)