

1) not included in scope of delivery, 2) Non-usable area, 3) Nominal length = Measuring length, 4) Mounting surface, 5) Internal threads M4x4/6 deep, 10) Null point, 11) Installation length

Basic features

Magnets, number (factory setting)	1
Magnets, number max.	1

Electrical connection

Connection	Connector, M16x0.75, 8-pin
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Electrical data

Error signal Ua falling	10.5 V
Error signal Ua rising	10.5 V
Output signal adjustable	with software tool

Environmental conditions

IP rating	IP67, IP69K, with connector
Storage temperature	-40...100 °C
Temperature coefficient typ.	≤ 30 ppm/K at 50% of nominal stroke 500mm

Functional safety

MTTF (40 °C)	176 a
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IO-Link

IO-Link Profil IDs	0x0001 SSP0 0x0031 BLOB FW-Update 0x4000 Identification and Diagnosis
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Interface

Analog output	0...10 V Analog, voltage 10...0 V
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Material

Housing material	1.4305 stainless steel
Plug material	1.4404 stainless steel
Protection tube material	1.4571 stainless steel

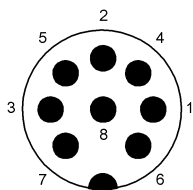
Mechanical data

Housing diameter	79 mm
Installation length from contact surface	600 mm

Range/Distance

Measuring length	500 mm
Non-linearity max.	±60 µm
Repeat accuracy	≤ ± 10 µm
Resolution	≤ 183 µV min. 4 µm
Sampling frequency max.	1000 Hz

Connector Drawings



Wiring Diagrams (Schematic)

Pin	Signal
1	NC
2	0 V
3	Output 2
4	C/Q (communication line)
5	Output 1
6	GND
7	+UB
8	NC