

1) not included in scope of delivery 2) Non-usable area 3) Nominal length = Measuring length 10) Null point 11) Installation length



Display/Operation

Error signal Ia rising	≥ 20.4 mA
Error signal Ua falling	≤ 0 V
Error signal Ua rising	≥ 10.2 V

Electrical connection

Connection	Connector, M16x0.75, 8-pole
Connection version	axial

Electrical data

Current consumption max. at 24 V DC	150 mA
Galvanic isolation	yes
Inrush current	≤ 3 A/0.5 ms
Operating voltage U _b	20...28 VDC
Overvoltage protection	yes
Polarity reversal protected	yes
Voltage-proof up to (GND to housing)	500 V DC

Environmental conditions

Ambient temperature	-40...85 °C
EN 55016-2-3, Radiation	Industrial areas
EN 60068-2-27, Continuous shock	100 g, 2 ms
EN 60068-2-27, Shock	100 g, 6 ms
EN 60068-2-6, Vibration	12 g, 10...2000 Hz
EN 61000-4-2, ESD	Severity Level 3
EN 61000-4-3, RFI	Severity Level 3
EN 61000-4-4, Burst	Severity Level 3
EN 61000-4-5, Surge	Severity Level 2
EN 61000-4-6, High-frequency fields	Severity Level 3
EN 61000-4-8 Magnetic fields	Severity Level 4

IP rating per IEC 60529

Relative humidity
 Storage temperature

IP67 with connector
 ≤ 90 %, non-condensing
 -40...100 °C

Functional safety

MTTF (40 °C)	77 a
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General data

Approval/Conformity	CE cULus
Magnets, number (factory setting)	1
Magnets, number max.	1

Material

Housing material	Aluminum
Housing material, surface protection	anodized

Mechanical data

Fastening detail	Mounting clamps
Null point	73.0 mm

Output/Interface

Analog output	Analog, current, 4...20 mA
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Range/Distance

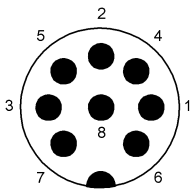
Non-linearity max.	±100 μm
Repeat accuracy R	≤ ±0.2 μA
Reproducibility	≤4 μm

Resolution $\leq 0.2 \mu\text{A}$
 Sampling rate, length-dependent 1 kHz, standard

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Connector view



Wiring Diagram

Pin	
1	4...20 mA
2	GND output
3	NC
4	NC
5	NC
6	GND
7	+24 V DC
8	NC