

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 falling	≤ 3.2 mA
Error signal Ua falling	≤ 0 V
Error signal Ua rising	≥ 10.2 V

Electrical connection

Connection	Connector, M16x0.75, 8-pole axial
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 Ub	20...28 VDC
Output signal adjustable	no
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

IP rating

Relative humidity

Storage temperature

Severity Level 4

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 EAC
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, 20...4 mA
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Range/Distance

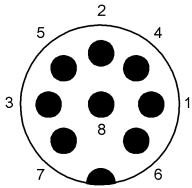
Measuring length	400 mm
Non-linearity max.	±100 µm

Repeat accuracy	≤ ±0.2 µA
Reproducibility	≤4 µm
Resolution	≤ 0.2 µA
Sampling rate, length-dependent	1 kHz, standard

For further information about the MTTF and B10d see MTTF / B10d certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

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