

1) not included in scope of delivery, 2) Non-usable area, 3) Nominal length = Measuring length



**Basic features**

<b>Approval/Conformity</b>	CE UKCA cULus EAC WEEE
<b>Magnets, number (factory setting)</b>	1
<b>Magnets, number max.</b>	1

**Electrical connection**

<b>Connection</b>	Connector, M12x1, 8-pin
<b>Connection version</b>	axial
<b>Polarity reversal protected</b>	Ub up to 36 V

**Electrical data**

<b>Current consumption max. at 24 V DC</b>	100 mA
<b>Error signal Ua falling</b>	≥ 10.2 V
<b>Error signal Ua rising</b>	≥ 10.2 V
<b>Galvanic isolation</b>	no
<b>Inrush current</b>	≤ 3 A/0.5 ms
<b>Operating voltage Ub</b>	20...28 VDC
<b>Output current max.</b>	5 mA
<b>Output signal adjustable</b>	no
<b>Overvoltage protection</b>	Ub up to 28 V
<b>Voltage-proof up to (GND to housing)</b>	500 V DC

**Environmental conditions**

<b>Ambient temperature</b>	0...70 °C
<b>EN 55016-2-3, Radiation</b>	For industrial and residential use
<b>EN 60068-2-27, Continuous shock</b>	50 g, 2 ms
<b>EN 60068-2-27, Shock</b>	50 g, 6 ms
<b>EN 60068-2-6, Vibration</b>	12 g, 10...2000 Hz
<b>EN 61000-4-2, ESD</b>	Severity Level 3
<b>EN 61000-4-3, RFI</b>	Severity Level 3
<b>EN 61000-4-4, Burst</b>	Severity Level 3
<b>EN 61000-4-5, Surge</b>	Severity Level 2
<b>EN 61000-4-6, High-frequency fields</b>	Severity Level 3
<b>EN 61000-4-8 Magnetic fields</b>	Severity Level 4
<b>IP rating</b>	IP67, with connector
<b>Relative humidity</b>	≤ 90 %, non-condensing
<b>Storage temperature</b>	-40...100 °C
<b>Temperature coefficient typ.</b>	≤ 30 ppm/K at 50% of nominal stroke 500mm

**Functional safety**

<b>MTTF (40 °C)</b>	84 a
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**Interface**

<b>Analog output</b>	Analog, voltage 0...10 V Analog, voltage 10...0 V
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**Material**

<b>Cover material</b>	Zinc, Die casting
<b>Housing material</b>	Aluminium, Anodized
<b>Housing material, surface protection</b>	Anodized

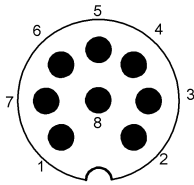
**Mechanical data**

Mounting part	Mounting clamps
Null point	73.0 mm
Overall Length	246 mm
Profile diameter	30.0 mm

**Range/Distance**

Measuring length	100 mm
Non-linearity max.	±200 µm
Repeat accuracy	≤ ± 10 µm
Reproducibility	≤10 µm
Resolution	≤ 20 µm
Sampling frequency max.	1000 Hz

**Connector Drawings**



**Wiring Diagrams**

Pin	
1	GND output
2	GND output
3	10...0 V
4	NC
5	0...10 V
6	GND
7	+24 V DC
8	NC