

1) LED function indicator, 3) Encoder



Basic features

Basic standard	IEC 60947-5-2 IEC 60947-5-7
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Display/Operation

Function indicator	Adjustment indicator
Power indicator	no

Electrical connection

Bending radius min., fixed cable	3 x D
Bending radius min., flexible cable	Fixed installation only.
Cable diameter D	3.50 mm
Cable length L	2 m
Conductor cross-section	0.14 mm ²
Connection type	Cable, 2.00 m, PUR
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load resistance RL min.	2000 Ohm
No-load current Io max. at Ue	20 mA
Operating voltage Ub	15...30 VDC
Rated insulation voltage Ui	75 V DC
Rated operating voltage Ue DC	24 V
Ripple max. (% of Ue)	10 %
Slope U	0.71 V/mm

Environmental conditions

Ambient temperature	-25...70 °C
Contamination scale	3
IP rating	IP67

Functional safety

MTTF (40 °C)	350 a
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Interface

Analog output	Analog, voltage 0...10 V
Output characteristic	Adjustable
Output voltage at SI max.	10 V
Output voltage at SI min.	0 V
Output voltage at Se	5 V

Material

Housing material	PA
Material jacket	PUR
Material sensing surface	PA

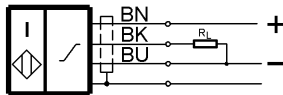
Mechanical data

Dimension	35 x 35 x 31 mm
Tightening torque max.	0.5 Nm

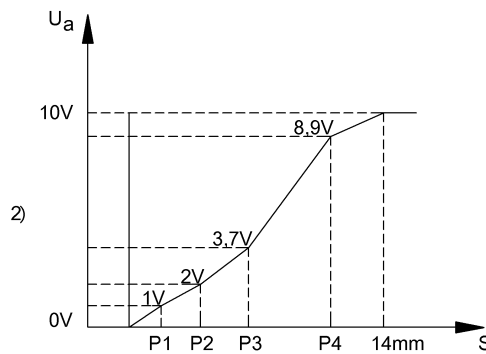
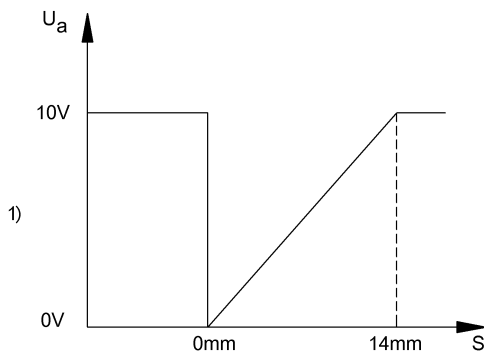
Range/Distance

Linearity range SI	0...14 mm
Measuring range	0...14 mm
Non-linearity max.	±250 µm
Repeat accuracy per BWN	±80 µm
Temperature drift max. from end value	±3.0 %

Wiring Diagrams



Technical Drawings



- 1) Standard characteristic curve
- 2) Prog. characteristic curve (Ex.)