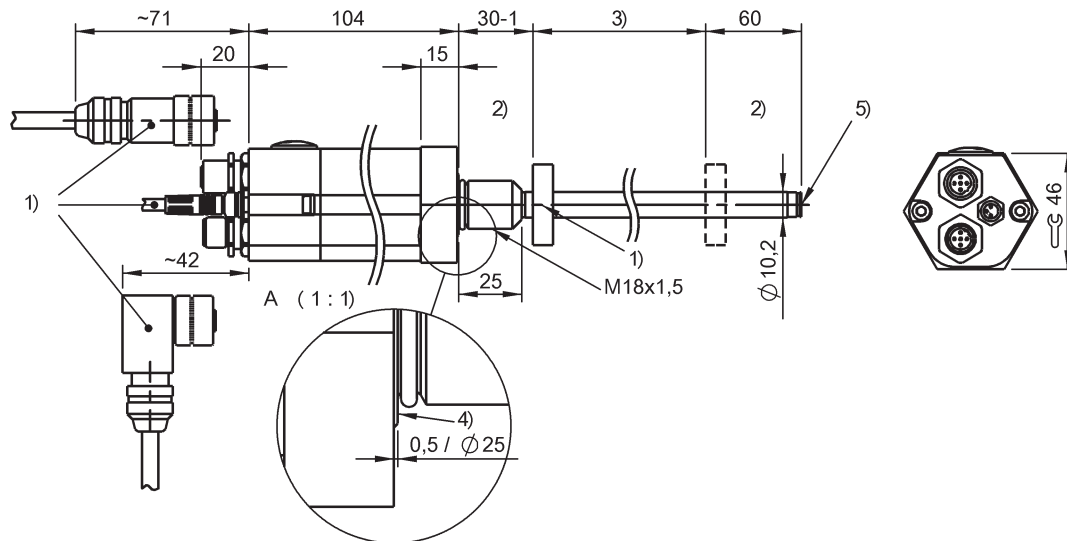




1) Not incl. in scope of del. 2) Unusable area 3) Nom. stroke = Meas. length 4) Mounting surface 5) Internal thread M4x4/6 deep

■ Series Rod
■ PROFIBUS-DP-Interface



General attributes

Approvals / Conformity

CE
cURus
IP67 (with connector)
Generation 5
Yes

Enclosure Type per IEC 60529
Generation
Polarity reversal protected

Electrical attributes

Connection type
Current draw (at 24 V DC)
For dynamic loop applications
Inrush current
Interface
Interface group
Non-linearity max.
Number of magnets max.
Operating voltage UB max. DC [V]
Operating voltage UB min. DC [V]
Output signal
Output signal adjustable
Overvoltage protected
Potential isolation
Ripple
Voltage resist (GND – housing)

Connector
≤ 130 mA
Yes
≤ 3 A / 0.5 ms
PROFIBUS-DP-Interface
Bus
±30 µm
1 ST
28.0 V
20.0 V
PROFIBUS-DP
With software tool
Yes
Yes
0.5 Vpp
500 V DC

Mechanical attributes

Nominal stroke
Ambient temperature Ta max.
Ambient temperature Ta min.
Cable/connector out
Connector type
E module
EN55016-2-3 (emission)
EN60068-2-27 (shock)
EN60068-2-29 (contin. shock)
EN60068-2-6 (vibration)
EN60068-2-64 (noise)

600 mm
85 °C
-40 °C
Axial
M8 and 2 x M12
200 kN/mm²
Class A
100 g / 6 ms
100 g / 2 ms
12 g, 10...2000 Hz
5 g, 10...2000 Hz

EN61000-4-2 (ESD)
EN61000-4-3 (RFI)
EN61000-4-4 (Burst)
EN61000-4-5 (Surge)
EN61000-4-6 (HF fields)
EN61000-4-8 (magnetic fields)
Flange material
Housing material
Mounting type
Nominal stroke
Null point
Number of poles

O-ring material
Offset mounting surface
Outer tube material
Pressure resistance
Relative humidity
Repeat accuracy
Resolution position min.
Resolution velocity min.
Sampling rate (length-depend.)
Storage temperature max.
Storage temperature min.
Style
TK, typ. (at 50 % of 500 mm)
Version
With O-ring

Severity Level 3
Severity Level 3
Severity Level 3
Severity Level 2
Severity Level 3
Severity Level 4
Stainless steel 1.3952
Anodized aluminum
Threaded flange M18x1.5
600 mm
30.0 mm
3
5
Viton
Yes
Stainless steel 1.4571
≤ 600 bar
< 90 %, non-condensing
±1 LSB
5 µm
0.1 mm/s
1 kHz, standard
100 °C
-40 °C
Series Rod
≤ 35 ppm/K
Type B
Yes

Remarks

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.

Pin		Pin	
1	VP +5 V	1	+24 V DC
2	RxD/TxD-N (A)	3	GND
3	DATA GND	4	shield of supply
4	RxD/TxD-P (B)		
5	shield PROFIBUS-DP		

