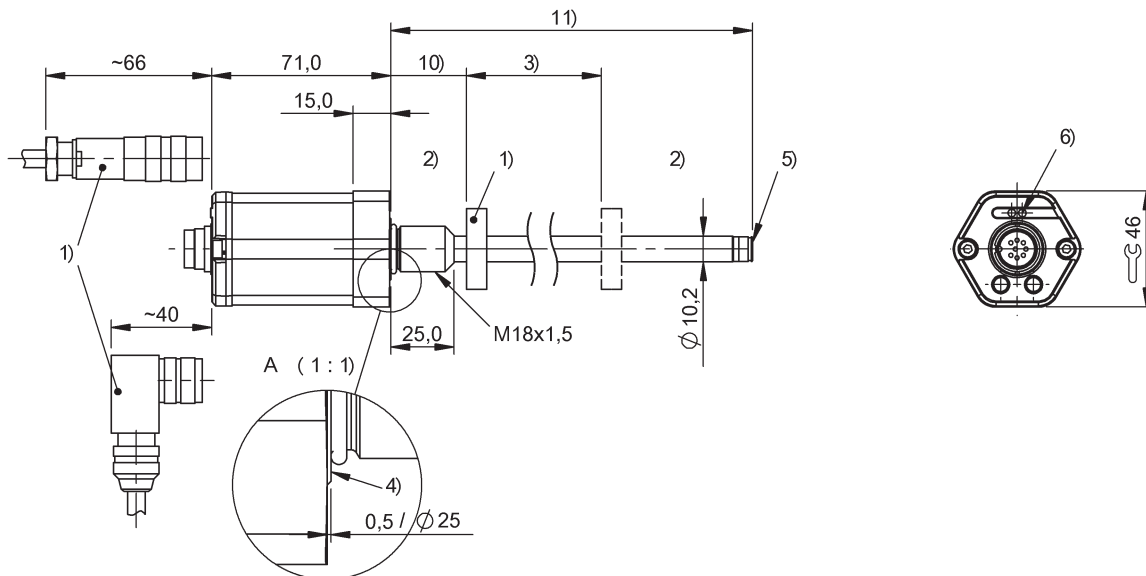




1) Not incl. in scope of del. 2) Unusable area 3) Nom. stroke = Meas. length 4) Mounting surface 5) Internal thread M4x4/6 deep 6) LED function indicator 10) Zero point
11) Installation length

■ **Series Rod**
■ **Digital pulse interface**

**General attributes**

Additional features 1
Approvals / Conformity

Enclosure Type per IEC 60529
Generation
Polarity reversal protected
Short circuit protected
MTTF

with DPI/IP-protocol
cULus
CE
IP67 (with connector)
Generation 7
Up to 36 V
to GND and to 36 V DC
102 a

Electrical attributes

Active flank
Connection type
Current draw (at 24 V DC)
DPI/IP protocol
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
Sampling frequency max.
Start/stop-pulse, duration
Start/stop-pulse, level
Voltage resist (GND – housing)

rising / falling
Connector
≤ 120 mA
Yes
No
≤ 500 mA / 10 ms
Digital pulse interface
Digital
±50 µm
6 ST
30.0 V
10.0 V
Start/Stop and Start/Stop neg.
No
Up to 36 V
No
0.5 Vpp
2898
3 - 5 µs
+5 V RS 485/422 driver
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)

355 mm
85 °C
-40 °C
Axial
M12
200 kN/mm²
Indust. and residential area

EN60068-2-27 (shock)
EN60068-2-29 (contin. shock)
EN60068-2-6 (vibration)
EN60068-2-64 (noise)
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
Installation length
Installation space, min. Ø
Mounting type
Nominal stroke
Null point
Number of poles
O-ring material
Offset mounting surface
Outer tube material
Pressure resistance
Relative humidity
Repeat accuracy
Speed max., detectable
Storage temperature max.
Storage temperature min.
Style
Tightening torque max.
TK, typ. (at 50 % of 500 mm)
Version
With O-ring

150 g / 6 ms
150 g / 2 ms
20 g, 10...2000 Hz
20 g, 10...2000 Hz
Severity Level 3
Severity Level 3
Severity Level 3
Severity Level 2
Severity Level 3
Severity Level 4
Stainless steel 1.3960
Anodized aluminum
445
53
Threaded flange M18x1.5
355 mm
30.0 mm
8
Viton
Yes
Stainless steel 1.4571
≤ 600 bar
< 90 %, non-condensing
≤ ±5 µm (typ. ± 2.5 µm)
10 m/s
100 °C
-40 °C
Series Rod
100 Nm
≤ 15 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	
1	+INIT
2	+START/STOP
3	-INIT
4	NC
5	-START/STOP
6	GND
7	10...30 V DC
8	NC

