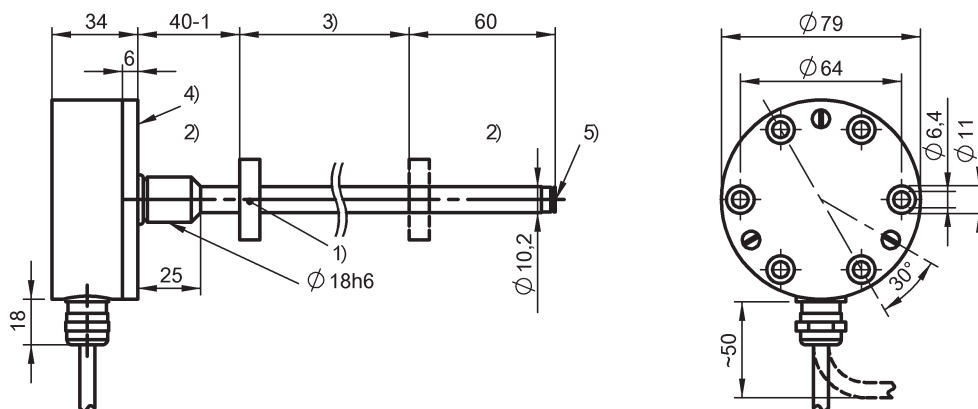




1) Not incl. in scope of del. 2) Unusable area 3) Nom. stroke = Meas. length 4) Mounting surface 5) Internal thread M4x4/6 deep

- Series Compact Rod
- Analog interface, current

**General attributes**

Approvals / Conformity	CE
Enclosure Type per IEC 60529	cURus
Generation	IP68
Polarity reversal protected	Generation 5
	Yes
Electrical attributes	
Connection type	Cable
Current draw (at 24 V DC)	≤ 150 mA
Error signal Ia rising	≤ 3.2 mA
Error signal Ua falling	≥ 10.2 V
Error signal Ua rising	< 0 V
For dynamic loop applications	No
Inrush current	≤ 3 A / 0.5 ms
Interface	Analog interface, current
Interface group	Analog
Load resistance RL max.	≤ 500 Ohm
Non-linearity max.	±0.02 % FS
Operating voltage UB max. DC [V]	28.0 V
Operating voltage UB min. DC [V]	20.0 V
Output signal	0...20 mA
Overvoltage protected	Yes
Potential isolation	No
Ripple	0.5 Vpp
Voltage resist (GND – housing)	500 V DC

Mechanical attributes

Nominal stroke	4,300 mm
Ambient temperature Ta max.	85 °C
Ambient temperature Ta min.	-40 °C
Bending radius drag chain	≥ 15 x cable diameter
Bending radius fixed cable	≥ 5 x cable diameter
Bending radius tensioned cable	≥ 15 x cable diameter
Cable diameter max.	6.70 mm
Cable diameter min.	6.00 mm
Cable jacket material	PUR
Cable length	10.00 m
Cable temperature max.	90 °C
Cable temperature min.	-40 °C

Cable/connector out	Radial
Conductor cross-section	0.25 mm ²
Diameter of outer tube	10.2 mm
Drag chain compatible	Yes
Drag chain length max.	10 m
E module	200 kN/mm ²
EN55016-2-3 (emission)	Class A
EN60068-2-27 (shock)	100 g / 6 ms
EN60068-2-29 (contin. shock)	100 g / 2 ms
EN60068-2-6 (vibration)	12 g, 10...2000 Hz
EN60068-2-64 (noise)	5 g, 10...2000 Hz
EN61000-4-2 (ESD)	Severity Level 3
EN61000-4-3 (RFI)	Severity Level 3
EN61000-4-4 (Burst)	Severity Level 3
EN61000-4-5 (Surge)	Severity Level 2
EN61000-4-6 (HF fields)	Severity Level 3
EN61000-4-8 (magnetic fields)	Severity Level 4
Flame resistant	IEC 60332-1
Flange material	Stainl. steel 1.4404 or 1.4571
Housing material	Stainless steel 1.4305
Mounting type	Flange with 6 holes
Null point	40.0 mm
Number of conductors	7
O-ring material	Viton
Offset mounting surface	Yes
Outer tube material	Stainless steel 1.4571
Outer tube wall thickness	2.0 mm
Pressure resistance	≤ 600 bar
Relative humidity	< 90 %, non-condensing
Repeat accuracy	0.66 µA
Resolution	≤ 0.2 µA
Sampling rate (length-depend.)	1 kHz, standard
Storage temperature max.	100 °C
Storage temperature min.	-40 °C
Style	Series Compact Rod
TK, typ. (at 50 % of 500 mm)	≤ 35 ppm/K
Traverse speed max(drag chain)	4.5 m/s
Version	Type K
With O-ring	Yes

Micropulse transducer

BTL5-C10-M4300-K-K10

Order code: BTL0M2M

BALLUFF

sensors worldwide

colour	
YE	0...20 mA
GY	GND output
PK	NC
GN	NC
BU	GND
BN	+24 V DC
WH	NC