

1) Not incl. in scope of del. 2) Unusable area 3) Nom. stroke = Meas. length 4) Mounting surface 5) O-ring 6) 1/2" - 14 NPT (Cable Inlet) 7) Internal thread M4x4/6 deep
8) 15/16" or 24 mm Wrench

- Series Rod EX
- Analog interface, voltage



General attributes

Approvals / Conformity

CE
FM
SIRA 11ATEX1104X
IECEx SIR 11.0048X
CSA13.2411253X
IP68
Generation 5
Yes

Enclosure Type per IEC 60529
Generation
Polarity reversal protected

Electrical attributes

Connection type
Current draw (at 24 V DC)
Error signal output 1
Error signal Ua falling
Error signal Ua rising
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
Overvoltage protected
Potential isolation
Ripple
Voltage resist (GND – housing)

Clamping terminal
≤ 150 mA
≥ 5.1 V
-0.5 V
10.5 V
No
≤ 3 A / 0.5 ms
Analog interface, voltage
Analog
±0.02 % FS
1 ST
30.0 V
10.0 V
0...10 V and 10...0 V
Yes
No
0.5 Vpp
500 V DC

Mechanical attributes

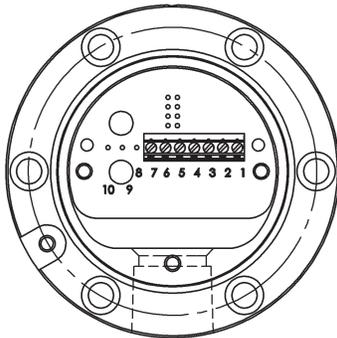
Nominal stroke
Ambient temperature Ta max.
Ambient temperature Ta min.
Cable/connector out
Diameter of outer tube
E module

1,250 mm
80 °C
-40 °C
Radial
10.2 mm
200 kN/mm²

EN55016-2-3 (emission)
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)
Fixing holes diameter
Flange material
Hole circle diameter
Housing diameter
Housing length
Housing material
Installation length
Mounting type
Null point
Number of fixing holes
Number of poles
O-ring material
Outer tube material
Outer tube wall thickness
Pressure resistance
Relative humidity
Repeat accuracy
Resolution
Sampling rate (length-depend.)
Storage temperature max.
Storage temperature min.
Style
TK, typ. (at 50 % of 500 mm)
Version
With O-ring

Indust. and residential area
100 g / 6 ms
100 g / 2 ms
12 g, 10...2000 Hz
5 g, 10...2000 Hz
Severity Level 3
Severity Level 3
Severity Level 3
Severity Level 2
Severity Level 3
Severity Level 4
6.7 mm
Stainless steel 316
76.2 mm
88 mm
96.1 mm
Stainless steel 316
1378
Flange Ø18h6 plus holes
50.8 mm
6 ST
7
Viton
Stainless steel 1.4571
2.0 mm
≤ 600 bar
< 90 %, non-condensing
±0.33 mV
≤ 0.33 mV
1 kHz, standard
100 °C
-40 °C
Series Rod EX
≤ 35 ppm/K
Type J-DEX
Yes

PIN	
1	NC
2	GND Output
3	10...0 V
4	GND
5	10...30 V DC
6	0...10 V
7	NC



Micropulse transducer
BTL5-A51-M1250-J-DEXC-TA12
Order code: **BTL1083**

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