

## BTL5-E50-M0375-J-DEXC-TA12 BTL08UZ



1) not included in scope of delivery 2) Non-usable area 3) Nominal length = Measuring length 4) Mounting surface 5) Internal threads M4x4/6 deep 6) Null point 7) Installation length 8) 1/2" - 14 NPT (cable entry) 9) 15/16" or 24 mm wrench 10) External Housing GND 11) Cover fastening screw 12) O-ring 13) Part label, metal



### Display/Operation

Error signal Ia rising 3.6 mA

### Electrical connection

Connection version radial  
Polarity reversal protected yes

### Electrical data

Current consumption max. at 24 V DC 150 mA  
Galvanic isolation no  
Inrush current  $\leq 3 \text{ A}/0.5 \text{ ms}$   
Operating voltage  $U_b$  10...30 VDC  
Overvoltage protection yes  
Voltage-proof up to (GND to housing) 500 V DC

### Environmental conditions

Ambient temperature -40...80 °C  
EN 55016-2-3, Radiation For industrial and residential use  
EN 60068-2-27, Continuous shock 100 g, 2 ms  
EN 60068-2-27, Shock 100 g, 6 ms

EN 60068-2-6, Vibration 12 g, 10...2000 Hz  
EN 61000-4-2, ESD Severity Level 3  
EN 61000-4-3, RFI Severity Level 3  
EN 61000-4-4, Burst Severity Level 3  
EN 61000-4-5, Surge Severity Level 2  
EN 61000-4-6, High-frequency fields Severity Level 3  
EN 61000-4-8, Magnetic fields Severity Level 4  
Protection type IEC 60529 IP68  
Relative humidity  $\leq 90 \%$ , non-condensing  
Storage temperature -50...100 °C

### General data

Approval/Conformity CSA15.2411253X  
CE  
SIRA 11ATEX1104X  
IECEX SIR 11.0048X  
Position encoders, number max. 1 pcs

### Material

Housing material Stainless steel (1.4404)  
Material flange Stainless steel (1.4404)  
O-ring material FKM  
Protection tube material Stainless steel (1.4571)

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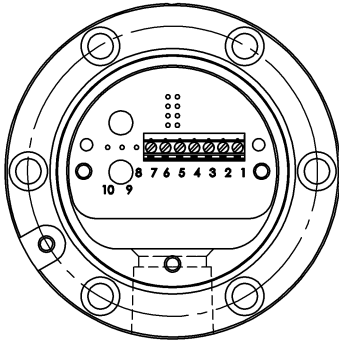
### Mechanical data

Fastening detail	Flange Ø18h6 plus holes
Housing diameter	88.00 mm
Installation length from contact surface	503 mm
Null point	50.8 mm
Pressure rating max.	600 bar
Protection tube diameter	10.2 mm

### Range/Distance

Non-linearity max.	±100 µm
Repeat accuracy	≤ ±0.66 µA
Reproducibility	≤5 µm
Resolution	≤ 0.66 µA
Sampling rate, length-dependent	1 kHz, standard

### Connector view



### Wiring Diagram

PIN	
1	4...20mA
2	GND Output
3	NC
4	GND
5	10...30 V DC
6	NC
7	NC