

## BTL5-A51-M1879-J-DEXC-TA12 BTL08TC



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 output 1	≥ 5.1 V
Error signal Ua falling	-0.5 V
Error signal Ua rising	10.5 V

### 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	≤ 3 A/0.5 ms
Operating voltage Ub	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	≤ 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

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Protection tube material                      Stainless steel (1.4571)                      Protection tube diameter                      10.2 mm

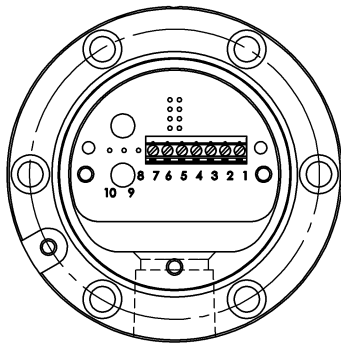
### Mechanical data

Fastening detail                      Flange Ø18h6 plus holes  
Housing diameter                      88.00 mm  
Installation length from contact surface                      2007 mm  
Null point                      50.8 mm  
Pressure rating max.                      600 bar

### Range/Distance

Non-linearity max.                      ±0.02 %FS  
Repeat accuracy                      ±0.33 mV  
Reproducibility                      ≤5 µm  
Resolution                      ≤ 0.33 mV  
Sampling rate, length-dependent                      1 kHz, standard

### Connector view



### Wiring Diagram

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