

Kübler by TURCK Absolute Encoders

Type T8.5860 - Profibus DP



- Profibus / CAN Open
- Resolution up to 25-Bits (13 x 12)
- Programmable - Parameters Include: Resolution, Revolutions, Direction, Preset, Diagnostics
- SSI (Gray, Binary) and RS485
- "IST" Intelligent Sensing Technology
- Shock Resistant to 250 gs
- Short-circuit Protection
- Reverse Polarity Protection
- Integrated T Coupling and Termination Resistor



Specifications

Protection	IP 65, IP 66 with shaft seal
Speed	Up to 6,000 RPM
Operating Temperature	-20°C to +85°C (-4°F to +185°F)
Shaft Load - Radial	40 lbs. *higher bearing loads (100 lbs. radial) use bearing box accessory P/N 8.0010.8200.0004
Shaft Load - Axial	40 lbs. (higher bearing loads on request)
Shock / Vibration	2500 m/s ² , 6 ms per DIN-IEC 68-2-27 / 100 m/s ² , 10-2000 Hz per IEC 68-2-6
Humidity	98% relative humidity without condensing.
Weight	24 oz. (0.4 kg)
Housing / Shaft	Aluminum with epoxy powder coat / 316 stainless
Starting Torque	1.4 in./oz. (<.01 Nm)

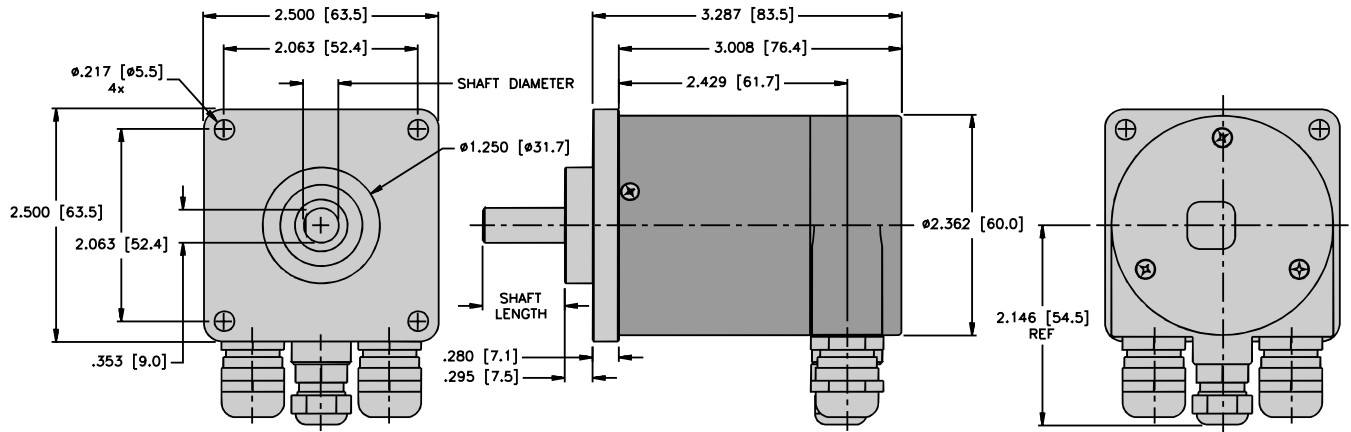
Interface	Profibus-DP, Encoder Profile Class 2
Supply Voltage (UB)	10-30 VDC
Current Typ.	0.29 A
Fuse	T 0.315 A
Linearity	±LSB (±1 LSB at 13, 14 or 25-bit res.)
Code	Binary
Interface	RS485 line driver 12 MB max.
Protocol	Profibus-DP, encoder profile class 2
Rate	12 Mbits/s max.
Address	Adjustable with DIP switches

Profibus Encoder Profile

The basic functions of the PROFIBUS DP are only described in extracts in here.

For additional information, please refer to the standards on PROFIBUS DP, i.e. DIN 19245-3 and EN 50170 respectively or see page A33.

T8.5860 with Square Flange



Note: See page C17 for flange options.

Part Number Key

T8.	5860.	X X X 1.	3001.	PXX	XX
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Flange

- 1 = Clamping flange 58 mm
- 2 = Synchronous flange 58 mm
- 4 = Square flange 63.5 mm (2.5")
- 5 = Synchronous flange 63.5 mm (2.5")
- 6 = Square flange 63.5 mm (2.5") w/shaft seal

Shaft

- 1 = 6 mm x 10 mm
- 2 = 10 mm x 20 mm
- 3 = 1/4" x 7/8"
- 4* = 3/8" x 7/8"

Input / Output Circuit

- 3 = Profibus-DP, Class 2, 10-30 VDC

Special Connector Wiring Formats*

N/A at this time.

Special Output Signal Formats*

N/A at this time.

Code Type

3001 = Profibus-DP, Class 2

Connection Type

- 1 = Socket box with PG 7

* Special modifiers

* Includes GSD file on CD