

MODEL 58TF - INCREMENTAL THRU-BORE ENCODER



Ø58 mm

FEATURES

- 58 mm thru-bore or blind hollow bore encoder
- Standard and metric thru-bore sizes up to 5/8" and 15 mm
- Resolutions from 1 to 65,536 CPR
- Flexible mounting options
- Multiple connector options
- Sealing to IP67

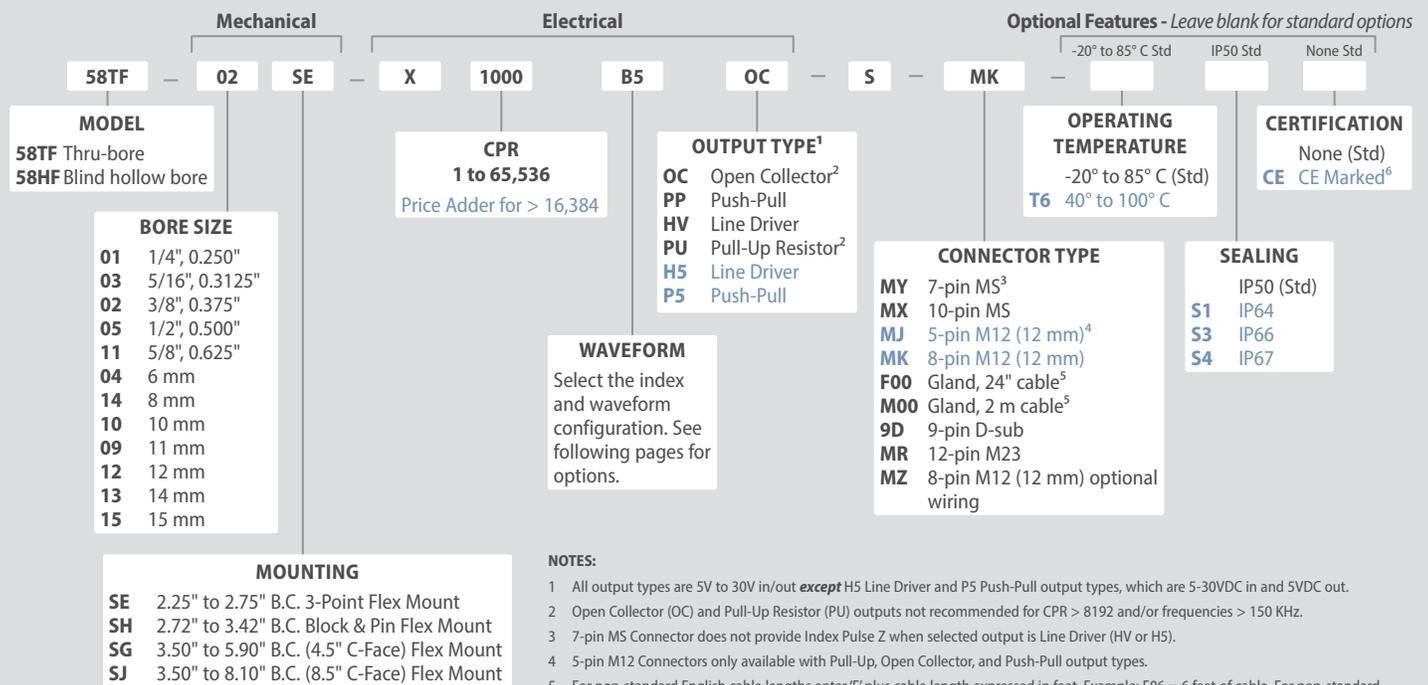
The Model 58TF 58 mm Accu-Coder® thru-bore encoder offers the high performance and advantages of the programmable Model 58TP, but in a fixed resolution version. The versatile Model 58TF offers 6 output types, 32 different waveforms, and any resolution from 1 to 65,536 CPR (262,144 counts using 4x quadrature counting). This encoder is also highly mechanically configurable. Specifically designed for the challenges of industrial environments, the Model 58TF can take on your demanding applications.

COMMON APPLICATIONS

Motor Control, Conveyors, Elevator Controls, Machine Control, Food Processing, Process Control, Robotics, Material Handling, Textile Machines, and all types of motion feedback.

MODEL 58TP ORDERING GUIDE

Blue type indicates price adder options. Not all configuration combinations may be available. Contact Customer Service for details.



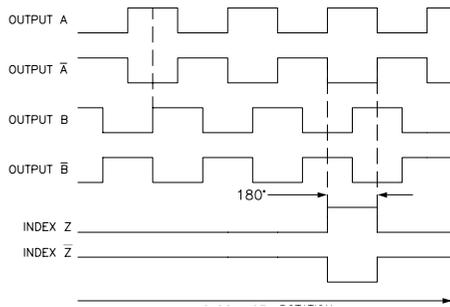
NOTES:

- All output types are 5V to 30V in/out **except** H5 Line Driver and P5 Push-Pull output types, which are 5-30VDC in and 5VDC out.
- Open Collector (OC) and Pull-Up Resistor (PU) outputs not recommended for CPR > 8192 and/or frequencies > 150 KHz.
- 7-pin MS Connector does not provide Index Pulse Z when selected output is Line Driver (HV or H5).
- 5-pin M12 Connectors only available with Pull-Up, Open Collector, and Push-Pull output types.
- For non-standard English cable lengths enter 'F' plus cable length expressed in feet. Example: F06 = 6 feet of cable. For non-standard metric cable lengths enter 'M' plus cable length expressed in meters. Example: M06 = 6 meters of cable. Frequency above 300 kHz standard cable lengths only.
- Please refer to Technical Bulletin TB-100: When to Choose the CE Mark at encoder.com.

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WAVEFORMS

EPC standard waveform (B5). Additional waveforms available. See diagram below.

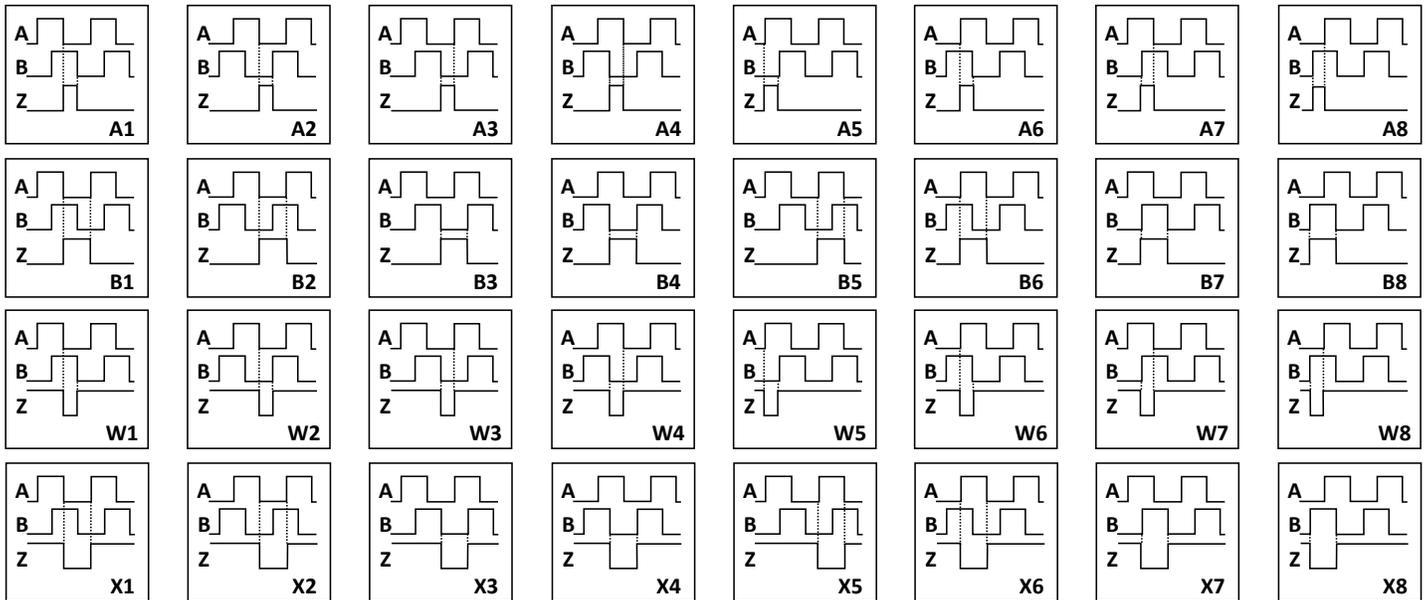


CLOCKWISE ROTATION AS VIEWED FROM THE MOUNTING FACE

NOTE: ALL DEGREE REFERENCES ARE ELECTRICAL DEGREES. Complementary signals \bar{A} , \bar{B} , \bar{Z} apply to Line Driver (HV, H5) outputs only.



An EPC Thru-Bore Encoder in a common application, mounted on a motor with an SJ Flex Mount



Odd numbers - A leads B
Even numbers - B leads A

A and B - High Going Index
W and X - Low Going Index

A and W - 90 Degree Index
B and X - 180 Degree Index

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