

# Model A58SE and A58HE with EtherCAT®

## Absolute Encoders with EtherCAT Capability

### Features:

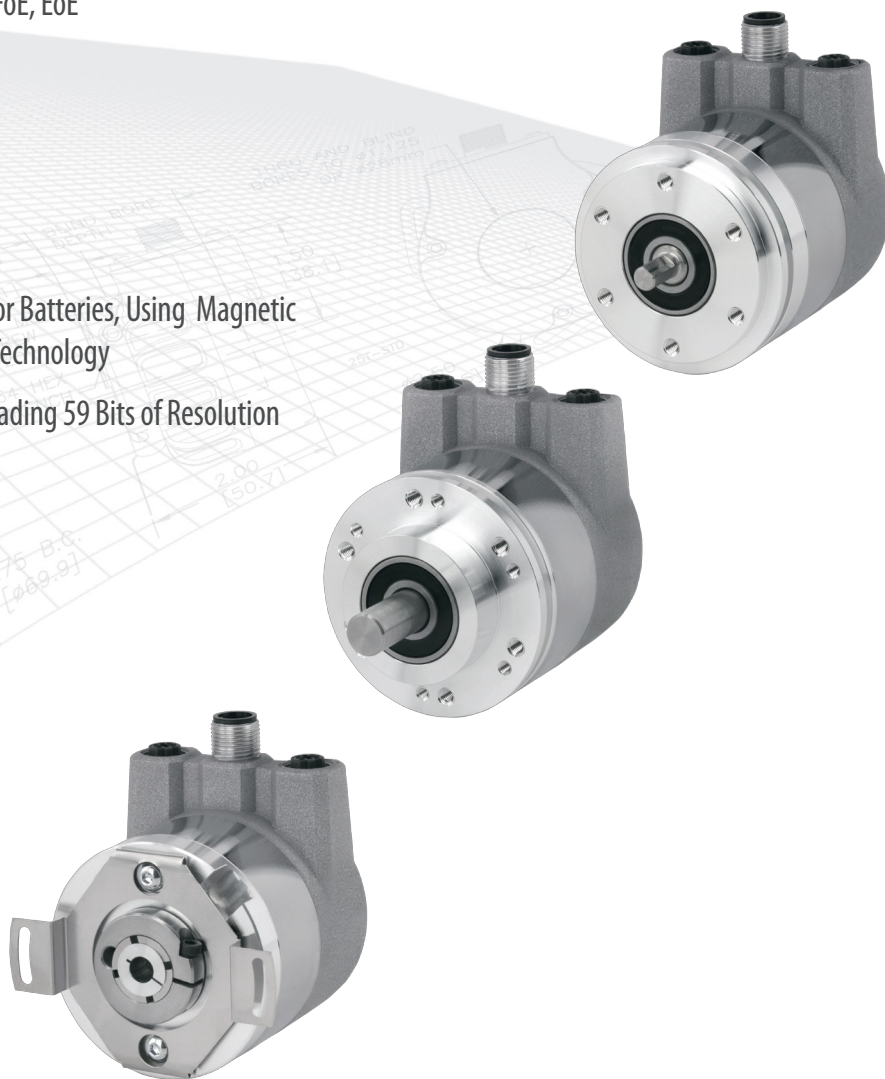
- ✓ EtherCAT Deterministic Communication: CoE, FoE, EoE
- ✓ Compact, Rugged Package (58 mm)
- ✓ Short Cycle Time
- ✓ Electronically-Integrated CAM Switches
- ✓ Includes Distributed Clock Mode
- ✓ Maintain Position Information without Gears or Batteries, Using Magnetic Induction Energy Harvesting Turns-Counting Technology
- ✓ Multi-Turn Absolute Encoder with Industry-Leading 59 Bits of Resolution (16 Bit ST / 43 Bit MT)

#### A58SE Shaft Encoder available with:

- Synchro or Clamping Flange
- Operating Temp 40° to 85° C
- Shaft Sizes to 10 mm or 0.375"
- IP67 Sealing available

#### A58HE Hollow Bore Encoder available with:

- Flex mount for easy installation
- Operating Temp 40° to 85° C
- Bores sizes up to 0.375" or 15 mm
- IP65 Sealing



- **Lead Time of 21 Days or LESS on most models**
- **Some Configurations Available for SAME DAY shipping**

Visit [www.encoder.com](http://www.encoder.com) for our full line of quality encoders.

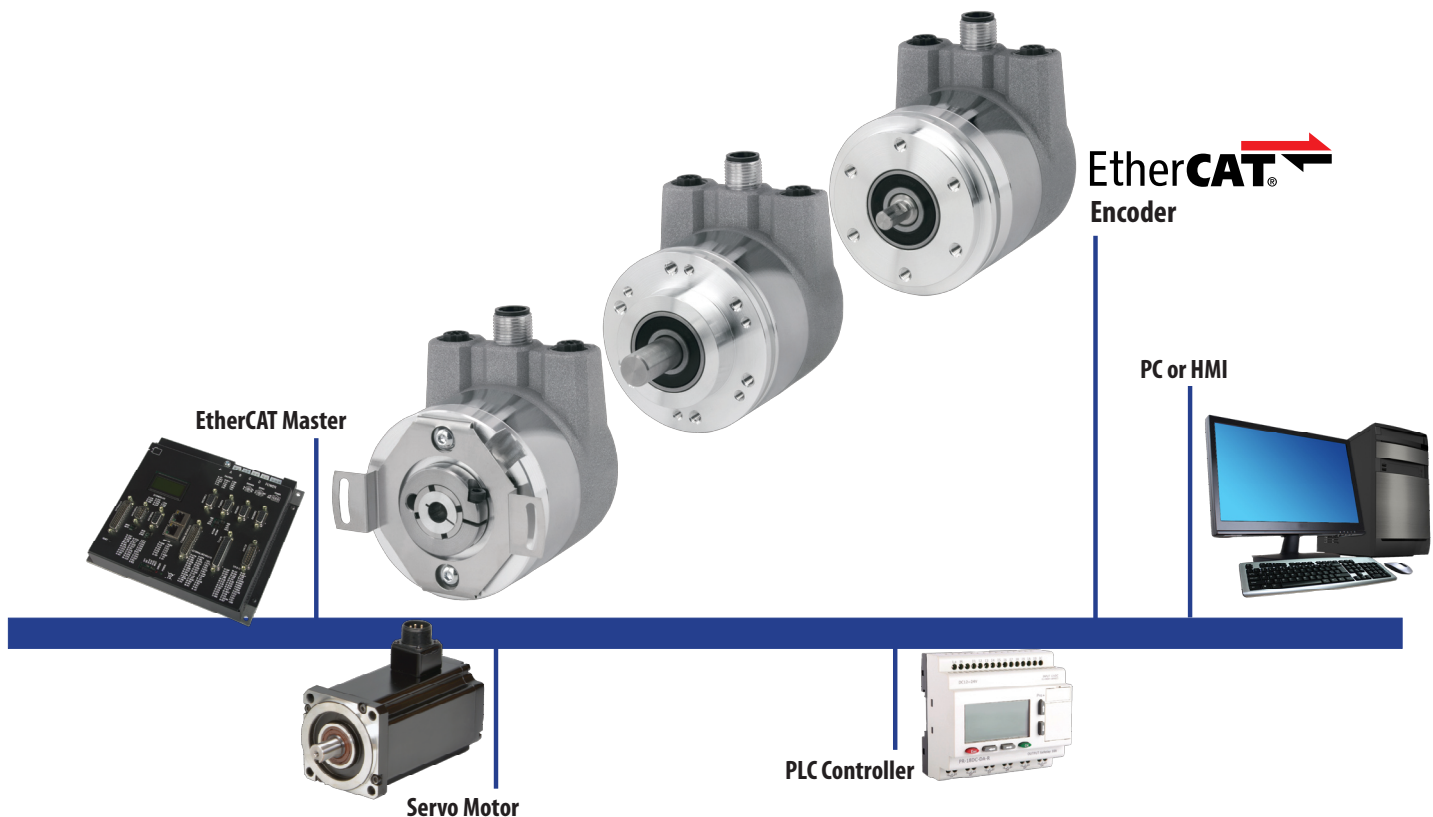
For specification assistance call 1-800-366-5412

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EtherCAT-ready, the Model A58HE (hollow bore) and Model A58SE (shaft) encoders are designed for harsh factory and plant environments. Easily designed into a wide variety of applications, these encoders plug directly into a network with minimal prerequisites, and work in various topologies, including bus, ring, and star configurations that can continue communication in event of a line break. That makes for quick installation and facilitates data exchange among connected devices, allowing companies to transition to a networked system and facility.

The A58E series encoders work with CANopen over EtherCAT, so for users familiar with CANopen technology, implementation will be straight forward. These encoders employ magnetic induction energy harvesting turns-counting technology, requiring no gears or batteries. As absolute encoders, they retain and update absolute position information even after a power loss, facilitating speedy system recovery at start-up without the need for system re-homing.

*EtherCAT (Ethernet for Control and Automation Technology) is a registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.*



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