

MODEL A58SB - ABSOLUTE SHAFT ENCODER



Ø58 mm



FEATURES

- Single Turn/Multi-Turn Absolute Encoder (16 Bit ST / 43 Bit MT)
- SSI or CANopen® communication
- Maintenance-free and environmentally friendly magnetic design
- Energy harvesting magnetic multi-turn technology
- No gears or batteries
- 58 mm (2.28") diameter shaft encoder
- Meets CE/EMC standards for immunity and emissions

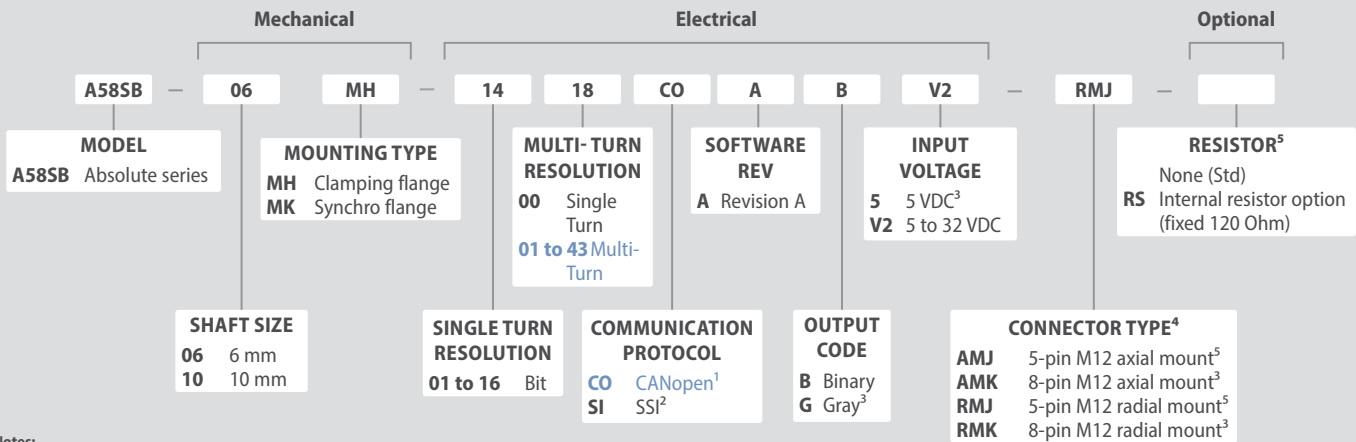
The Model A58SB absolute encoder offers a high performance solution for your absolute feedback needs. It provides maintenance-free feedback thanks to its innovative battery-free and gear-free multi-turn technology. This encoder is especially suited for applications where position information must be retained after loss of system power. Its rugged magnetic technology and high IP rating make the Model A58SB an excellent choice, even in tough industrial environments. Available with two shaft sizes, 6 mm or 10 mm, and two mounting options, the Model A58SB is easily designed into a variety of applications.

COMMON APPLICATIONS

Robotics, Telescopes, Antennas, Medical Scanners, Wind Turbines, Elevators, Lifts, Motors, Automatic Guided Vehicles, Rotary and X/Y Positioning Tables

MODEL A58SB ORDERING GUIDE

Blue type indicates price adder options



Notes:

- Please refer to CANopen Interface Technical Reference Manual at encoder.com.
- Please refer to Technical Bulletin TB-529: Understanding EPC's SSI Encoders at encoder.com.
- Available with SSI only.
- For mating connectors, cables, and cordsets see Accessories at encoder.com.
- Available with CANopen only.

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SHAFT SIZES

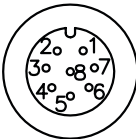
SHAFT SIZE	ØD	L1	d	L2
6mm	6 [0.236]	12 [0.472]	0.70 [0.028]	10 [0.394]
10mm	10 [0.394]	20 [0.787]	no flat	n/a

WIRING TABLE

For EPC-supplied mating cables, refer to wiring table provided with cable.

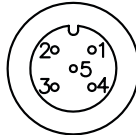
For CE (Conformity European) requirements, use M12 cordset with shield connected to M12 coupling nut. Trim back and insulate unused wires.

SSI Encoders 8-pin M12



Function	8-Pin M12
Ground (GND)	1
+VDC	2
SSI CLK+	3
SSI CLK-	4
SSI DATA+	5
SSI DATA-	6
PRESET	7
DIR	8
Shield	Housing

CANopen Encoders 5-pin M12



Function	5-Pin M12
+VDC	2
Ground (GND)	3
CAN _{High}	4
CAN _{Low}	5
CAN _{GND} / Shield	1