

SERIES AR62/AR63

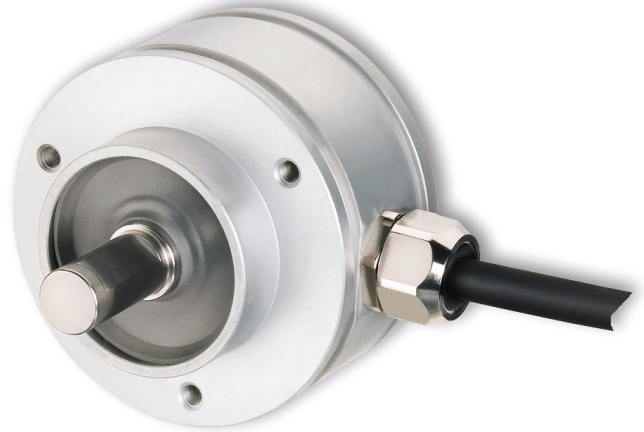
ACURO™ brand

Magnetic Absolute Encoder

Key Features

- **12 Bit Single-Turn Resolution, up to 16 Bit Multi-Turn**
- **Oversized Bearings for up to 3x Life of Standard Absolute Encoders**
- **Wide -40° to 100°C Temperature Range**
- **Submersible — IP69k Sealing Available**
- **Rated to 200g Shock, 20g Vibration for Harsh Environments**
- **Stainless Steel or Aluminum Housing**

NEW!



SPECIFICATIONS

ELECTRICAL

Supply voltage: 10-30VDC, or 17-30VDC (see "Ordering Information")

EMC: EN 61326 (external protective circuit required)

Resolution singleturn: 12 Bit

Resolution multiturn: 12, 13, 16 Bit

Absolute accuracy: ±0.6°

Repeatability: ±0.2°

Parametrization: Preset

MECHANICAL

Housing diameter: 58 mm

Mounting depth: 32 mm

Shaft diameter: 3/8", 10 mm

Flange: Synchro clamping or 2.5" Square flange

Protection Class (EN 60529): Housing & Shaft, IP67 or IP69k

Shaft load: axial 300 N max.; radial 300 N max.

ENVIRONMENTAL

Shaft speed (maximum): 5000 rpm

Vibration resistance: (DIN EN 60068-2-6) 200 m/s²

Shock resistance: (DIN EN 60068-2-27) 2000 m/s² (6 ms)

Operating temperature: -40 °C to +100 °C

Connection: Cable, radial; M12 connector, radial

ELECTRICAL CONNECTIONS – BiSS / SSI

Cable Color	PIN	Signal
Yellow	6	Clock
Pink	5	Data
Green	4	Clock
Grey	8	Data
White	1	UB
Brown	2	0V
Red	3	Preset (set to 0)
Screen	Screen	Screen

ELECTRICAL CONNECTIONS – CANopen

Color cable	PIN	Signal
Yellow	6	CAN in+
Green	4	CAN in-
Pink	3	CAN out+
Grey	7	CAN out-
Bue	n.c.	n.c.
Red	n.c.	n.c.
White	1	UB
Brown	2	0 V
Screen	Screen	Screen Screen

ELECTRICAL CONNECTIONS – Analog

Cable Color	PIN	Signal
Pink	6	0 to 10 V (max. 5mA)
Blue	7	0 to 20 mA or 4 to 20 mA (current output)
Grey	5	AGND
Red	8	preset (set to 0)
White	1	UB
Brown	2	0 V
Yellow ¹	4	Diagnostic 1
Green ¹	3	Diagnostic 2
Screen	Screen	Screen

1. Diagnostic signals only for service purposes. The cable wires have to be isolated.

