

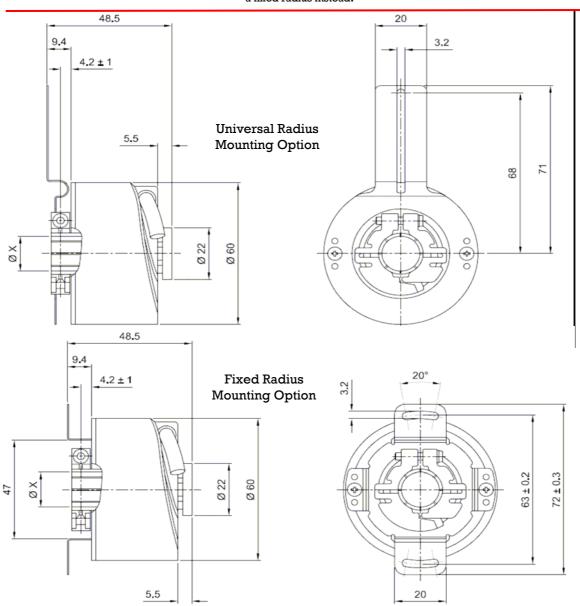
## **BOHA Series**

## Universal Hollow Shaft Encoder ——

### Features

- Factory Set for Same Day Dispatch (1 to 65,536 Pulses Per Rev)
- 100 Degrees Centegrate cabability as standard
- Opto-ASIC Technology
- Any bore up to 15mm bore (Metric) or (Imperial)

The 60HA encoder is designed to fit directly on to motor shafts, or any shaft where position, direction, or velocity information is needed. The advanced electronics provides superior performance and high noise immunity. The encoder features a simple clamp mount for easy mounting over a large range of shaft sizes, whilst the univesal anti-rotation flex mount maintains housing stability. Alternatively, if body rotation is required, there is the option of rotatatable mounting on a fixed radius instead.

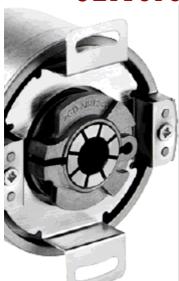


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## **BOHA Series**

## Universal Hollow Shaft Encoder ——



#### Protection:

IP65 (higher on request)

#### User Shaft Runout (max):

*Up to 10,000ppr =* 

+/- 0.1mm (radial)+/- 0.2mm (axial)

Above 10,000ppr =

+/- 0.05mm (radial)+/- 0.01mm (axial)

#### **Operating Temperature:**

-20 to +100°C

#### Storage Temperature:

-40 to +100°C

### Maximum Speed:

9000 RPM

Vibration:

20g @ 10...2000Hz

Shock:

60g @ 6ms

**Humidity:** 

90% RH (non-condensing)

#### Supply Voltage:

5 to 32VDC

### **Current Consumption (max):**

40mA - without load

Load Current (max):

30mA

#### Cable:

Screened, oil and salt water

### Impulse Frequency (max):

1 to 10,000ppr = 600KHz

10,000 to 65536 ppr = 800 KHz

#### **Noise Immunity:**

EN 61000-6-2

EN 61000-6-4

#### Shaft Loading:

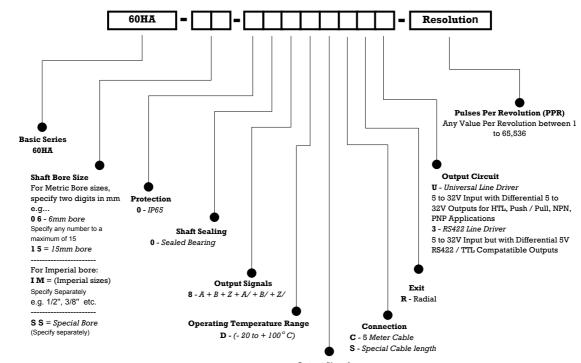
Flexible Mounted (supplied)

#### Torque @ 20°C:

0.8Ncm (Start)

0.6Nm

## Ordering Code



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Output Signals 6 - 600KHz (800KHz for resolutions above 10,000 PPR)

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## BOALA Series

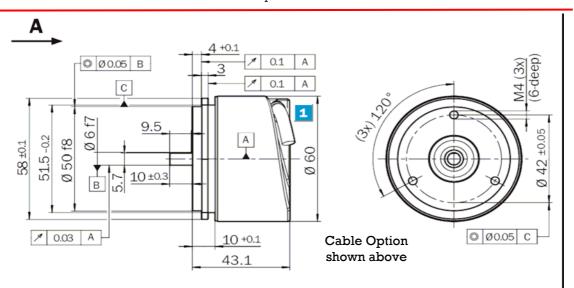
## Solid Shaft Encoder —



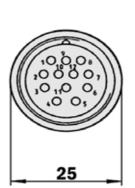
### Features

- Factory Set for Same Day Dispatch (1 to 65,536 Pulses Per Rev)
- 100 Degrees Centegrate cabability as standard
- Industry Standard Mounting
- IP65 Protection
- Same Day Dispatch

The 60AA encoder is designed to be directly interchangable with industry standard servo-mount style encoders, but with that added advantages of the ability to choose any resolution from 1 pulse to 65,536 pulses per revolution and high temperature capability as standard. The advanced electronics provides superior performance and high noise immunity. Its very slim construction allows it to be mounted virtually anywhere, whilst still maintaining good environmental protection.



PIN, 12-pin M23 Connector	Colour of wires	Signal TTL, HTL
6	Brown	Ā
5	White	А
1	Black	B
8	Pink	В
4	Yellow	Z
3	Lilac	Z
10	Blue	GND
12	Red	+U <sub>s</sub>
9	Screen	Screen
2	_	N. C.
11	_	N. C.



12 pin (M23) Connector Option (below)

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## BOALA Series

## Solid Shaft Encoder —



#### Protection:

IP65 (higher on request)

#### **Shaft Loading:**

80N (radial) 40N (axial)
Use with suitable flexible coupling

### Operating Temperature:

-20 to +100°C

### Storage Temperature:

-40 to +100°C

### Maximum Speed:

10,000 RPM

Vibration:

20g@10...2000Hz

#### Shock:

60g @ 6ms

#### **Humidity:**

90% RH (non-condensing)

### Supply Voltage:

5 to 32VDC

### **Current Consumption (max):**

40mA - without load

Load Current (max):

30mA

#### Cable:

Screened, oil and salt water

#### Impulse Frequency (max):

1 to 10,000ppr = 600KHz

10,000 to 65536ppr = 820KHz

#### **Noise Immunity:**

EN 61000-6-2

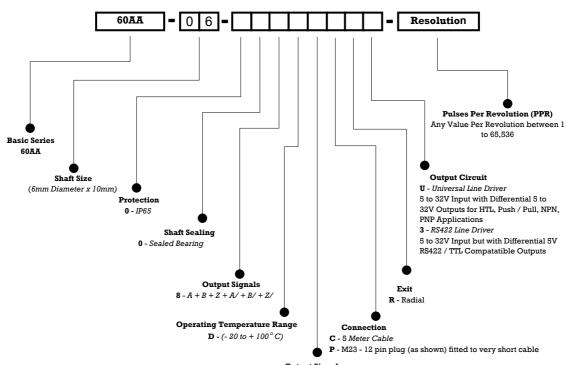
EN 61000-6-4

### Torque @ 20°C:

0.5Ncm (Start)

0.3Nm

## Ordering Code



Output Signals 6 - 600KHz

(820KHz for resolutions above 10.000 PPR)

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## BOMA Series

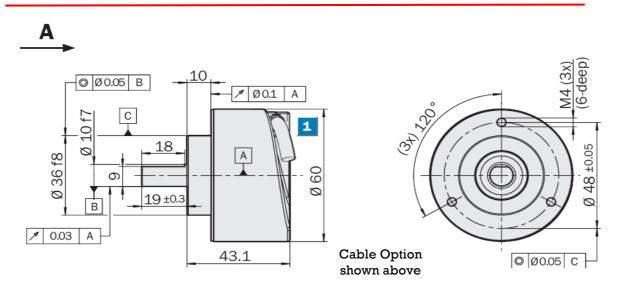
# Solid Shaft Encoder —



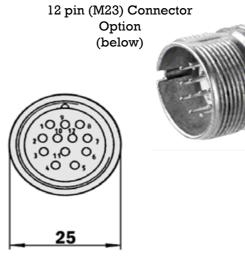
### Features

- Factory Set for Same Day Dispatch (1 to 65,536 Pulses Per Rev)
- 100 Degrees Centegrate cabability as standard
- Industry Standard Mounting
- IP65 Protection
- Same Day Dispatch

The 60MA encoder is designed to be directly interchangable with industry standard clamping flange style encoders, but with that added advantages of the ability to choose any resolution from 1 pulse to 65,536 pulses per revolution and high temperature capability as standard. The advanced electronics provides superior performance and high noise immunity. Its very slim construction allows it to be mounted virtually anywhere, whilst still maintaining good environmental protection.



PIN, 12-pin M23 Connector	Colour of wires	Signal TTL, HTL
6	Brown	Ā
5	White	А
1	Black	B
8	Pink	В
4	Yellow	Z
3	Lilac	Z
10	Blue	GND
12	Red	+U <sub>S</sub>
9	Screen	Screen
2	-	N. C.
11	_	N. C.



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## BOMA Series

## Solid Shaft Encoder —



Protection:

IP65 (higher on request)

**Shaft Loading:** 

80N (radial) 40N (axial)

Use with suitable flexible coupling

**Operating Temperature:** 

-20 to +100°C

Storage Temperature:

-40 to +100°C

Maximum Speed:

10,000 RPM

Vibration:

20g @ 10...2000Hz

Shock:

60g @ 6ms

**Humidity:** 

90% RH (non-condensing)

Supply Voltage:

5 to 32VDC

**Current Consumption (max):** 

40mA - without load

Load Current (max):

30mA

Cable:

Screened, oil and salt water

Impulse Frequency (max):

1 to 10,000ppr = 600KHz

10,000 to 65536ppr = 820KHz

**Noise Immunity:** 

EN 61000-6-2

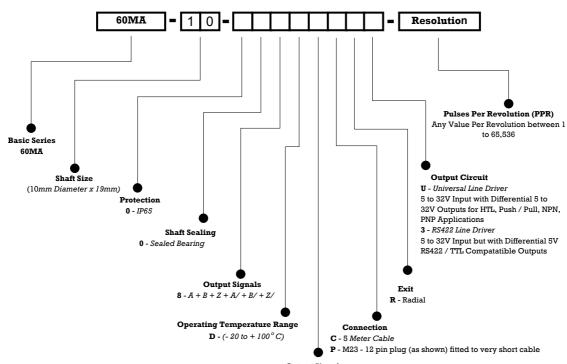
EN 61000-6-4

Torque @ 20°C:

0.5Ncm (Start)

0.3Nm

## Ordering Code



**Output Signals** 

6 - 600KHz (820KHz for resolutions above 10.000 PPR)

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