

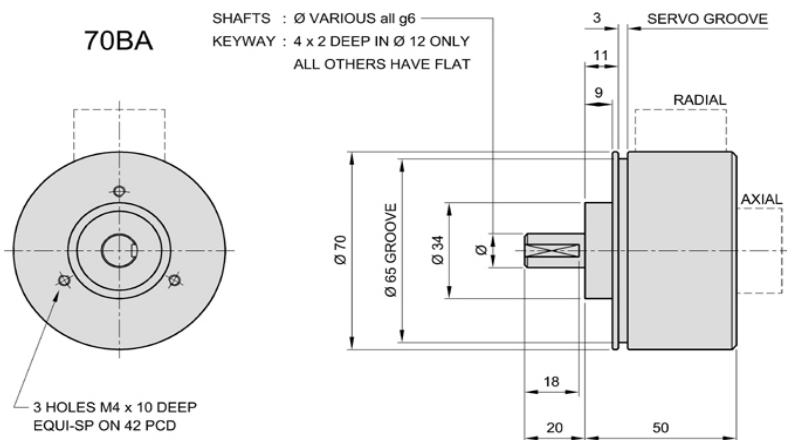
S E R I E S



70BA LUMINIUM

ROTARY INCREMENTAL SHAFT ENCODER

The 70BA Series is a precision, yet versatile shaft encoder, machined from aluminium. Its 70mm frame size together with its integral servo-flange, front face mounting holes and flange mounting face, can easily make the encoder compatible with many industrial formats.



S P E C I F I C A T I O N S

Body:

Precision Machined Aluminium

Cover:

Precision Machined Aluminium (Powder Coated)

Shaft:

Stainless Steel

Bearings:

Ballraces

Shaft Sealing:

Sealed front bearing (shafts seals are available on request)

Protection:

IP65

Operating Temp:

-20 to +85°C (depending on model)

Maximum Speed:

6000 RPM (Higher on request)

Torque:

2.35Ncm (typical)

Inertia:

100gcm² (typical)

Shaft Loading:

Axial = 10N (max)
Radial = 10N (max)

Cable:

Screened, oil and salt water proof

Impulse Frequency:

Up to 300KHz (depending on model)

Current Consumption:

60mA (typical - without load)



CONNECTIONS

FUNCTION CABLE PLUG

0 Volts	Black	Pin 1
+ Volts	Red	Pin 2
A Channel	White	Pin 3
B Channel	Blue	Pin 4
Z Channel	Yellow	Pin 5
\bar{A} Channel	Green	Pin 6
\bar{B} Channel	Violet	Pin 7
\bar{Z} Channel	Brown	Pin 8

ACCESSORIES AVAILABLE

~COUPLINGS

~BRACKETS & FLANGES

~MEASURING WHEELS

STANDARD FEATURES

-IP65 Protection

-Automatic Calibration

-Short - Circuit & Overload Protection

-UK Manufactured

-High Noise Immunity

-Robust Construction

-Low Cost

-Fast Delivery

-3 YEAR WARRANTY

STANDARD ORDERING CODES

