ANSGSeries

Shaft Absolute Encoder Maximum Resolution ...13 Bit - 8192 Shaft Diameters 6 or 10mm

MECHANICAL SPECIFICATIONS

RPM	Max. 6000
Torque	> 5Ncm
Loading	Axial 40N, Radial 30N
Weight Stainless	630g - Aluminium 320g
Temperature	20°C to +70°C

ELECTRICAL

Current consumption	100mA	
Signal frequency for the LSB Max	50kHz	
Switching load	. 40mA	
NOTE: Short circuit protection on all wires		

NOTE 1: Gray code encoders with a non cyclic output code (360, 720 etc.) have a zero off-set applied. This ensures that only one bit changes between the highest value and the home or zero positions.

e.g. An encoder with 360 divisions for each rotation of the shaft, will read between 76 and 435 only.

FEATURES

The ANSG encoders are suitable for most industrial applications. The series provides a high resolution for a small body size, up to 13 Bits.

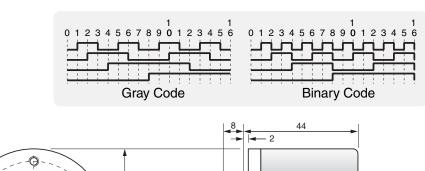
The direction select control wire determines the relationship between the rotation of the shaft and the count direction of the output. With the wire tied to the + the output value will increase as the shaft turns clockwise (CW), when the wire is connected to the 0 Volt supply the output will increase as the shaft turns counter clockwise (CCW).

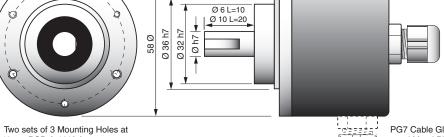
Switching the optional "zero reset" input, from the positive to the negative supply for a minimum of .5 Seconds, will force the output code to reset to zero regardless of the shaft position. This provides a simple way to synchronise the encoder output to the machine physical zero position.

To ensure long-term reliability, each encoder must be mounted in accordance with the installation instructions. Refer to the Accessories section for a range of couplings and mounting hardware.



NOTE: For other wiring and plug combinations refer to data sheet "Plug & Wiring Variations"





48mm PCD & 120° Apart one set M4 and the other M3

Optional side entry

PG7 Cable Gland and Metal Plug Extend Approx. 22mm

