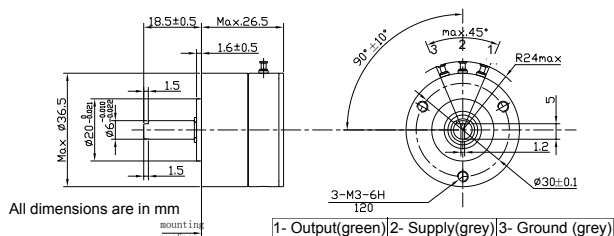


PRECISION ANALOG SERVOMOUNT CONTACTLESS LONG LIFE ROTARY POSITION SENSOR

Servomount case - 2 Ball bearings
Hall effect magnetic
Output : 0 - 10V, 4 - 20 mA
Size 15, Precision robust aluminium housing
Shock & vibration proof
Measurement range 0° - 360°

Series 36A PBSF



ELECTRICAL CHARACTERISTICS

ELECTRONIC CHARACTERISTICS		
Electrical angle	360°	
Resolution	4096 step (12 bit)	
Signal type	Supply voltage	Output signal
2410	15 - 30V	0 - 10V
2442	15 - 30V	4 - 20 mA
Supply current	< 16 mA	
Independent linearity tolerance	0.3%	

MECHANICAL CHARACTERISTICS

MECHANICAL CHARACTERISTICS	
Mechanical angle	360° (continuous)
Starting torque	0.4 Ncm
Protection	IP 40
Operating temperature	- 40 to +85° C
Operating life	> 40 million rotations
Max rotating speed	8000 rpm
Weight	60 gm

MATERIAL

Housing	anodized aluminium
Shaft	stainless steel
Terminals	3 pins brass gold plated
Bearings	2 precision ball bearing

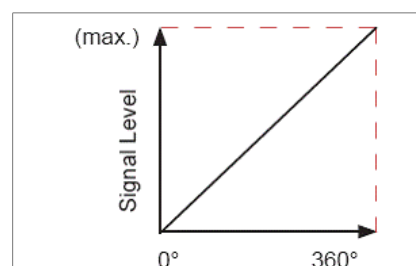
OPTIONS AND ORDERING REFERENCES

Housing diameter	Analog output	Pewatron Angular Sensor	Servomount Goldline	360 ° Clockwise Electrical angle	Signal 0 - 10V 4 - 20mA
36	A	PB	SF	360 CW	S 2410 S 2442
36	A	PB	SF	360CW	Sxxxx
Example with description - 36A PBSF 360CW S2410 - 36mm diameter, analog output, PB Series, Servomount Goldline, 360 ° clockwise angle, Signal - 0 -10V					

FUNCTION PRINCIPLE

The determination of angular position and signal generation is realised by an intelligent CMOS Hall sensor. A diametrical polarised magnet induces its magnetic field into the sensor. It rotates and provides a conditioned signal to the integrated electronic.

ANALOG INTERFACE



At the output of the sensor a variable voltage or variable current is provided proportion to the position of the shaft / axis over a complete angle range of 360 ° or a subrange. The contactless sensor electronic guarantees a steady signal level and a very low linearity error of 0.3%. With supply voltages of 15 - 30V and output signals of 0 - 10V, 4 -20 mA at the sensor output are provided.

We are here for you. Addresses and Contacts.

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