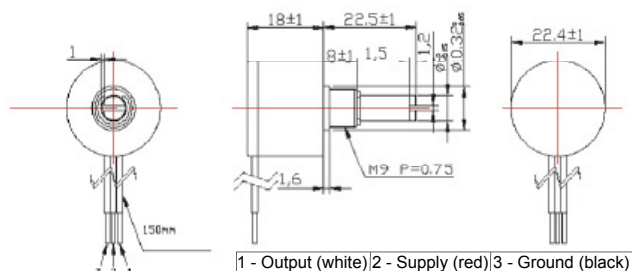


PRECISION ANALOG SERVOMOUNT CONTACTLESS LONG LIFE ROTARY POSITION SENSOR

Metalcase - 1 Ball bearing
Hall effect magnetic
Output : 0 - 10V, 4 - 20 mA
Precision robust aluminium housing
Shock & vibration proof
Measurement range 0° - 360°



ELECTRICAL 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 angle	360° (continuous)
Starting torque (approx.)	0.4 Ncm
Protection	IP 40
Operating temperature	- 40 to +85° C
Operating life (approx.)	20 million rotations
Mechanical speed (max.)	5000 rpm
Electrical speed (max.)	160 rpm
Weight	22 gm

MATERIAL

Housing	anodized aluminium
Shaft	stainless steel
Cable	3 core flat cable (150 mm)
Bearings	1 precision ball bearing

OPTIONS AND ORDERING REFERENCES

Housing diameter	Analog output	Pewatron Angular Sensor	Bush version with ball bearing, Goldline	360° Clockwise Electrical angle	Signal
22	A	PB	BF	360 CW	0 - 10V 4 - 20mA S 2410 S 2442
22	A	PB	BF	360CW	Sxxxx
Example with description - 22A RCBF 360CW S2410 - 22 mm diameter, analog output, PB Series, Bush version with ball bearing Goldline, 360° clockwise angle, Signal - 0 - 10V					
Standard Version : 360° CW Electrical & mechanical angle , OCF - 3 core flat cable					

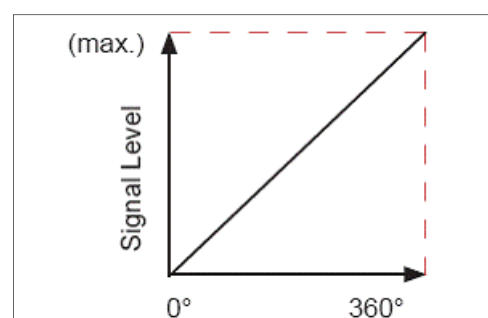
Series 22A PBBF



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 proportional 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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