



Incremental encoders Encoder, Rotary

DGS34-1L402048

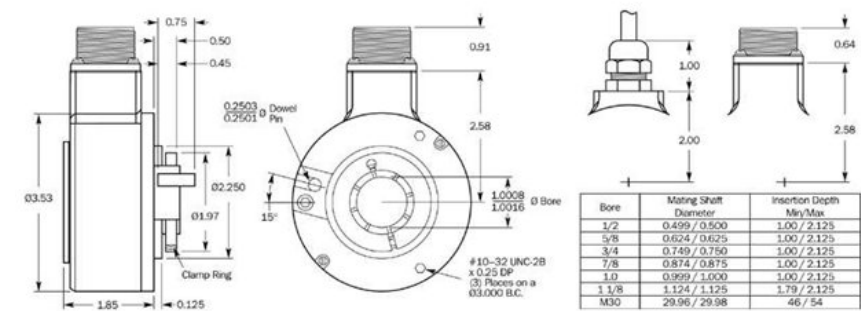
Model Name > [DGS34-1L402048](#)
Part No. > [7101744](#)

Product features

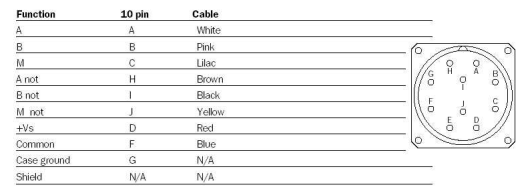
Type:	Rotary
Shaft/Flange design:	Blind hollow shaft
Shaft diameter:	30 mm
Remark::	P block
Interface:	5 V, TTL
Connection type:	Connector, MS, 10-pin, radial
Number of lines:	2,048
Number of lines/steps:	2,048

Technical data

Moment of inertia of the rotor:	490 gcm ²
Measuring step:	90°/number of lines
Measuring step deviation:	45/Z °
Ambient operation temperature, min ... max:	-20 °C ... +70 °C
Max. angular acceleration:	1 x 10 ⁵ rad/s ²
Operating torque:	7 Ncm
Start up torque:	9 Ncm
Resistance to shocks:	50/11 g/ms
Resistance to vibration:	5/2000 Hz @ 20 g
Supply voltage min ... max:	DC 4.75 ... 5.25 V
Permissible relative humidity:	95%
Voltage output:	DC
Working temperature range read head:	-20 °C ... +70 °C
Storage temperature range read head:	-30 °C 85 °C
Voltage area min ... max::	DC



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