



Incremental encoders Encoder, Rotary

DGS34-1HK02048

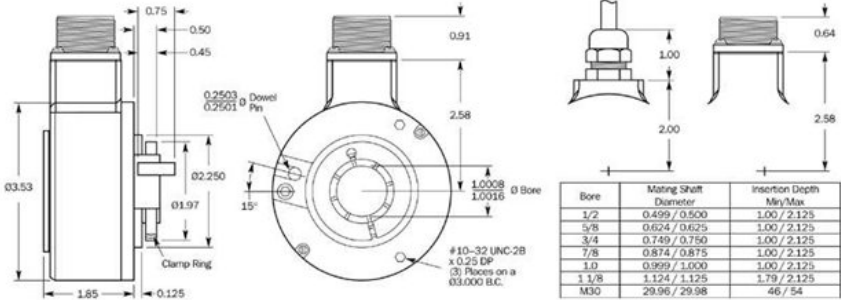
Model Name > [DGS34-1HK02048](#)
Part No. > [7101729](#)

Product features

Type:	Rotary
Shaft/Flange design:	Blind hollow shaft
Shaft diameter:	1"
Remark::	T1 Tether
Interface:	5 V, TTL
Connection type:	Cable, radial, 1.5 m
Number of lines:	2,048
Number of lines/steps:	2,048

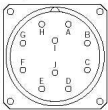
Technical data

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



Anschluss-Schema

Function	10 pin	Cable
A	A	White
B	B	Pink
M	C	Lilac
A not	H	Brown
B not	I	Black
M not	J	Yellow
+5V	D	Red
Common	F	Blue
Case ground	G	N/A
Shield	N/A	N/A



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