



## Incremental encoders Encoder, Rotary

DGS34-5LK08192

**Model Name**     > [DGS34-5LK08192](#)  
**Part No.**         > [7101766](#)

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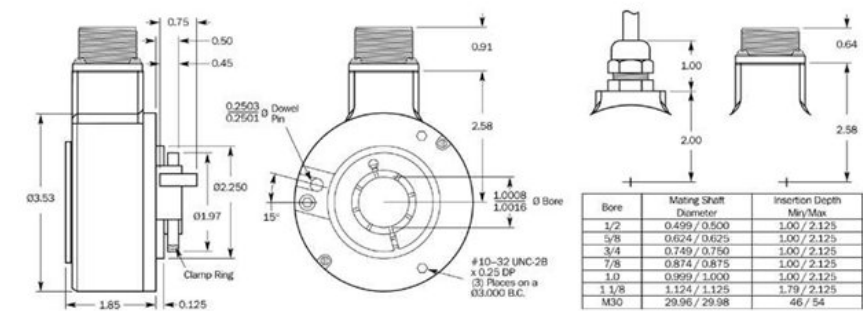
**Product features**

|                        |                      |
|------------------------|----------------------|
| Type:                  | Rotary               |
| Shaft/Flange design:   | Blind hollow shaft   |
| Shaft diameter:        | 30 mm                |
| Remark::               | P block              |
| Interface:             | 8 ... 24 V, HTL      |
| Connection type:       | Cable, radial, 1.5 m |
| Number of lines:       | 8,192                |
| Number of lines/steps: | 8,192                |

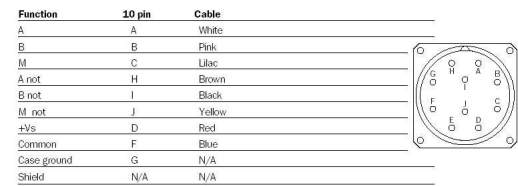
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**Technical data**

|                                             |                                        |
|---------------------------------------------|----------------------------------------|
| Moment of inertia of the rotor:             | 490 gcm <sup>2</sup>                   |
| 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 <sup>5</sup> rad/s <sup>2</sup> |
| 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 8 ... 24 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



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