



## Incremental encoders Encoder, Rotary

DGS34-5HK04096

**Model Name**     > [DGS34-5HK04096](#)  
**Part No.**         > [7101735](#)

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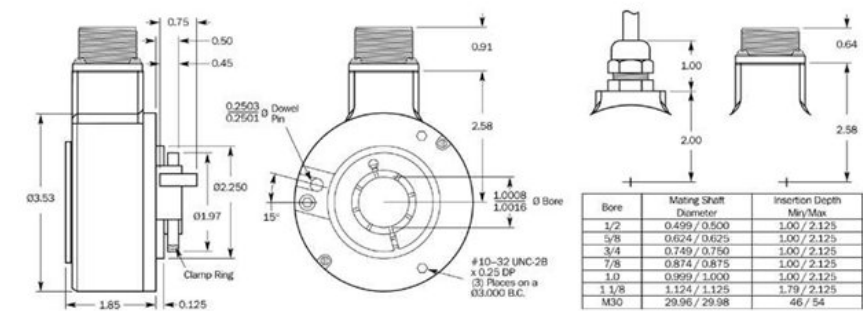
#### Product features

|                        |                      |
|------------------------|----------------------|
| Type:                  | Rotary               |
| Shaft/Flange design:   | Blind hollow shaft   |
| Shaft diameter:        | 1"                   |
| Remark::               | T1 Tether            |
| Interface:             | 8 ... 24 V, HTL      |
| Connection type:       | Cable, radial, 1.5 m |
| Number of lines:       | 4,096                |
| Number of lines/steps: | 4,096                |

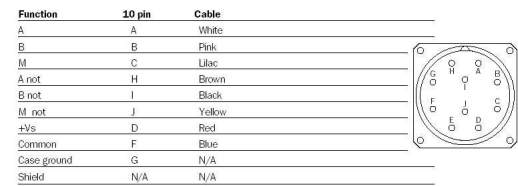
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#### Technical data

|                                             |                                        |
|---------------------------------------------|----------------------------------------|
| 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



#### **Australia**

Phone +61 3 9457 0600  
1800 334 802 – tollfree  
E-Mail sales@sick.com.au

#### **Belgium/Luxembourg**

Phone +32 (0)2 466 55 66  
E-Mail info@sick.be

#### **Brasil**

Phone +55 11 3215-4900  
E-Mail sac@sick.com.br

#### **Canada**

Phone +1 905 771 14 44  
E-Mail information@sick.com

#### **Ceská Republika**

Phone +420 2 57 91 18 50  
E-Mail sick@sick.cz

#### **China**

Phone +86 4000 121 000  
E-Mail info.china@sick.net.cn  
Phone +852-2153 6300  
E-Mail ghk@sick.com.hk

#### **Danmark**

Phone +45 45 82 64 00  
E-Mail sick@sick.dk

#### **Deutschland**

Phone +49 211 5301-301  
E-Mail kundenservice@sick.de

#### **España**

Phone +34 93 480 31 00  
E-Mail info@sick.es

#### **France**

Phone +33 1 64 62 35 00  
E-Mail info@sick.fr

#### **Great Britain**

Phone +44 (0)1727 831121  
E-Mail info@sick.co.uk

#### **India**

Phone +91-22-4033 8333  
E-Mail info@sick-india.com

#### **Israel**

Phone +972-4-6801000  
E-Mail info@sick-sensors.com

#### **Italia**

Phone +39 02 27 43 41  
E-Mail info@sick.it

#### **Japan**

Phone +81 (0)3 3358 1341  
E-Mail support@sick.jp

#### **Magyarország**

Phone +36 1 371 2680  
E-Mail office@sick.hu

#### **Nederlands**

Phone +31 (0)30 229 25 44  
E-Mail info@sick.nl

#### **Norge**

Phone +47 67 81 50 00  
E-Mail austefjord@sick.no

#### **Österreich**

Phone +43 (0)22 36 62 28 8-0  
E-Mail office@sick.at

#### **Polska**

Phone +48 22 837 40 50  
E-Mail info@sick.pl

#### **România**

Phone +40 356 171 120  
E-Mail office@sick.ro

#### **Russia**

Phone +7-495-775-05-30  
E-Mail info@sick.ru

#### **Schweiz**

Phone +41 41 619 29 39  
E-Mail contact@sick.ch

#### **Singapore**

Phone +65 6744 3732  
E-Mail admin@sicksgp.com.sg

#### **Slovenija**

Phone +386 (0)1-47 69 990  
E-Mail office@sick.si

#### **South Africa**

Phone +27 11 472 3733  
E-Mail info@sickautomation.co.za

#### **South Korea**

Phone +82 2 786 6321/4  
E-Mail info@sickkorea.net

#### **Suomi**

Phone +358-9-25 15 800  
E-Mail sick@sick.fi

#### **Sverige**

Phone +46 10 110 10 00  
E-Mail info@sick.se

#### **Taiwan**

Phone +886-2-2375-6288  
E-Mail sales@sick.com.tw

#### **Türkiye**

Phone +90 (216) 528 50 00  
E-Mail info@sick.com.tr

#### **United Arab Emirates**

Phone +971 (0) 4 8865 878  
E-Mail info@sick.ae

#### **USA/México**

Phone +1(952) 941-6780  
1 800-325-7425 – tollfree  
E-Mail info@sickusa.com

More representatives and agencies  
at [www.sick.com](http://www.sick.com)