

# DGS21-1UK00100

DGS21

PRODUCT PORTFOLIO

**SICK**  
Sensor Intelligence.

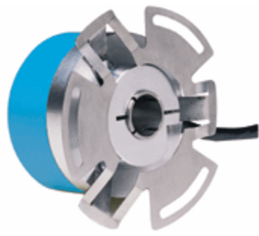


Illustration may differ



### Ordering information

Model name	Part no.
DGS21-1UK00100	7101598

Other models and accessories → [www.sick.de/DGS21](http://www.sick.de/DGS21)

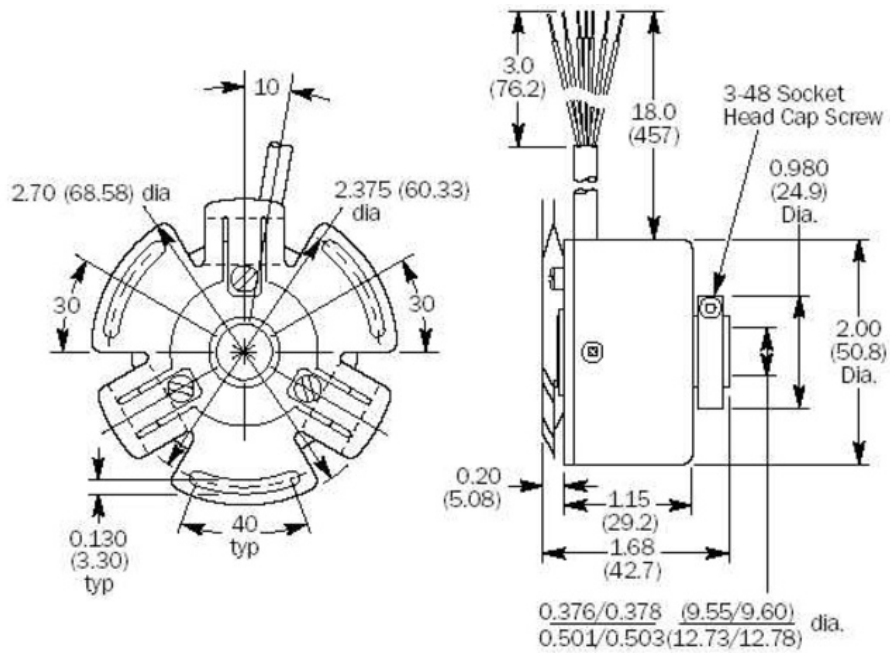
### Detailed technical data

#### Technical specifications

<b>Shaft / Flange design</b>	Through hollow shaft
<b>Shaft diameter</b>	1/2"
<b>Remark</b>	1)
<b>Number of lines</b>	100
<b>Interface</b>	5 V, TTL
<b>Connection type</b>	Cable, radial, 1.5 m
<b>Moment of inertia of the rotor</b>	19.4 gcm <sup>2</sup>
<b>Measuring step</b>	90° / number of lines
<b>Reference signal, number</b>	1
<b>Reference signal, position</b>	Non-gated 180° +/-90° electrical
<b>Measuring step deviation</b>	45/Z °
<b>Maximum output frequency</b>	≤ 200 kHz
<b>Max. angular acceleration</b>	5 x 10 <sup>5</sup> rad/s <sup>2</sup>
<b>Start up torque</b>	0.7 Ncm
<b>Working temperature range</b>	0 °C ... +70 °C
<b>Storage temperature range</b>	-20 °C ... +85 °C
<b>Permissible relative humidity</b>	90%
<b>Resistance to shocks</b>	20/11 g/ms
<b>Resistance to vibration</b>	5/10...150 g/Hz
<b>Protection class according to IEC 60529:</b>	IP 50
<b>Supply voltage</b>	DC, 4.75 V, 5.25 V

<sup>1)</sup> Stator Coupling.

Dimensional drawing (Dimensions in mm (inch))



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