



# DGS20-16K02000

DGS20

PRODUCT PORTFOLIO

**SICK**  
Sensor Intelligence.

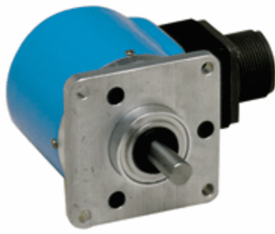


Illustration may differ



### Ordering information

Model name	Part no.
DGS20-16K02000	7101167

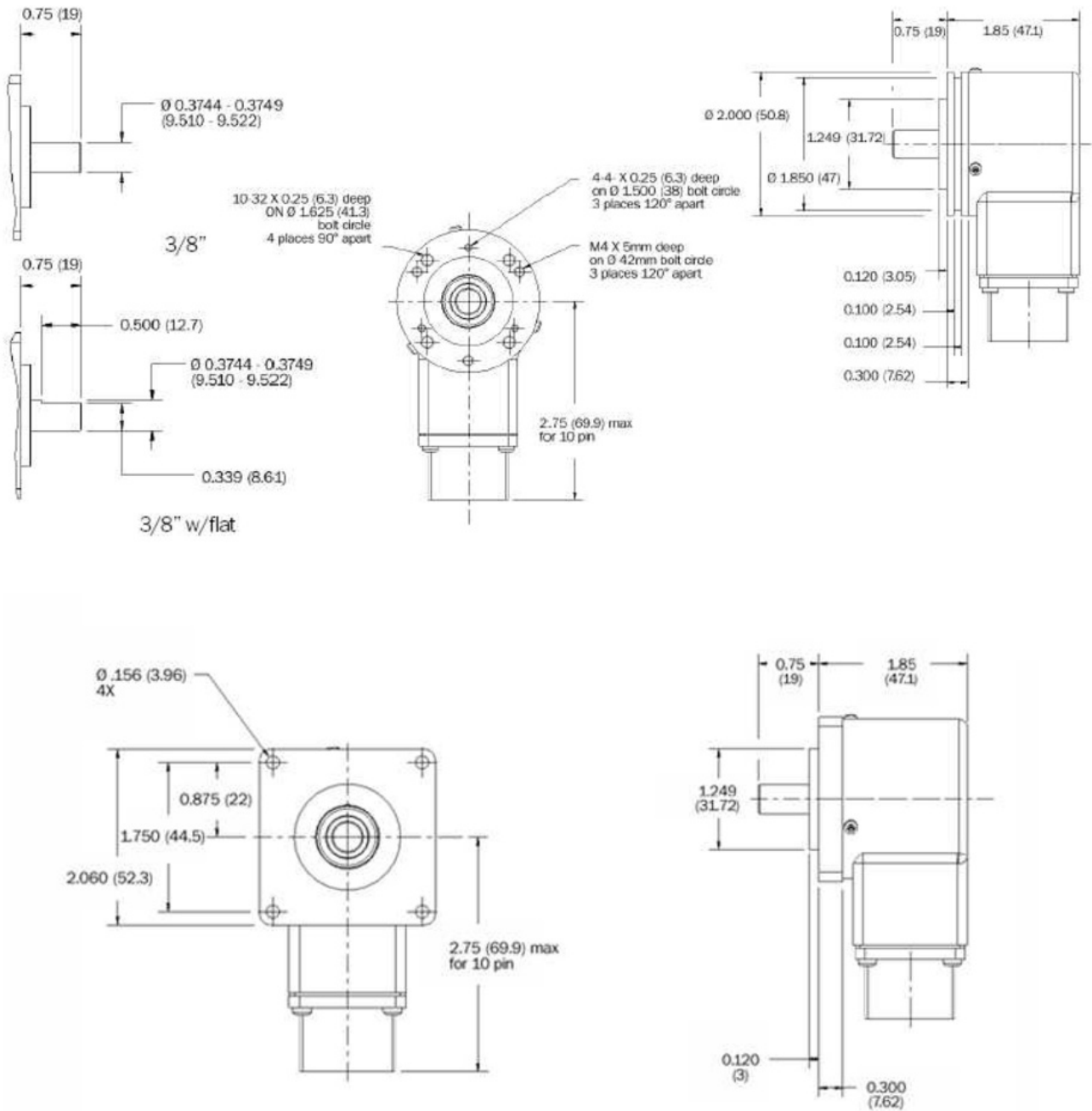
Other models and accessories → [www.sick.de/DGS20](http://www.sick.de/DGS20)

### Detailed technical data

#### Technical specifications

Shaft diameter	3/8"
Number of lines	2,000
Interface	5 V, TTL
Connection type	Cable, radial, 1.5 m
Moment of inertia of the rotor	16.9 gcm <sup>2</sup>
Measuring step	90° / number of lines
Reference signal, number	1
Reference signal, position	Gated 180° nominal
Measuring step deviation	45/Z °
Maximum output frequency	≤ 200 kHz
Max. angular acceleration	5 x 10 <sup>5</sup> rad/s <sup>2</sup>
Start up torque with shaft seal	3.5 Ncm
Start up torque without shaft seal	1.1 Ncm
Permissible shaft loading, axial	178 N
Permissible shaft loading, radial	155 N
Working temperature range	0 °C ... +70 °C
Storage temperature range	-20 °C ... +85 °C
Permissible relative humidity	90%
Resistance to shocks	50/11 g/ms
Resistance to vibration	5/2000 Hz @ 20 g
Protection class according to IEC 60529:	IP 66
Supply voltage	DC, 4.75 V, 5.25 V

Dimensional drawing (Dimensions in mm (inch))



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