IMG40S-1250-ABN-IT-S2-NT

IMG

Drehimpulsgeber GmbH

Flanschstecker 09-0127-80-08

$\phi 6 h7$

M20x1,5

23
10
2
5.3
3.2 +0.1
16
1.5
27
10
40
20 h7
40

hierzu gehört 1 Stk.
Mutter M20 x 1,5
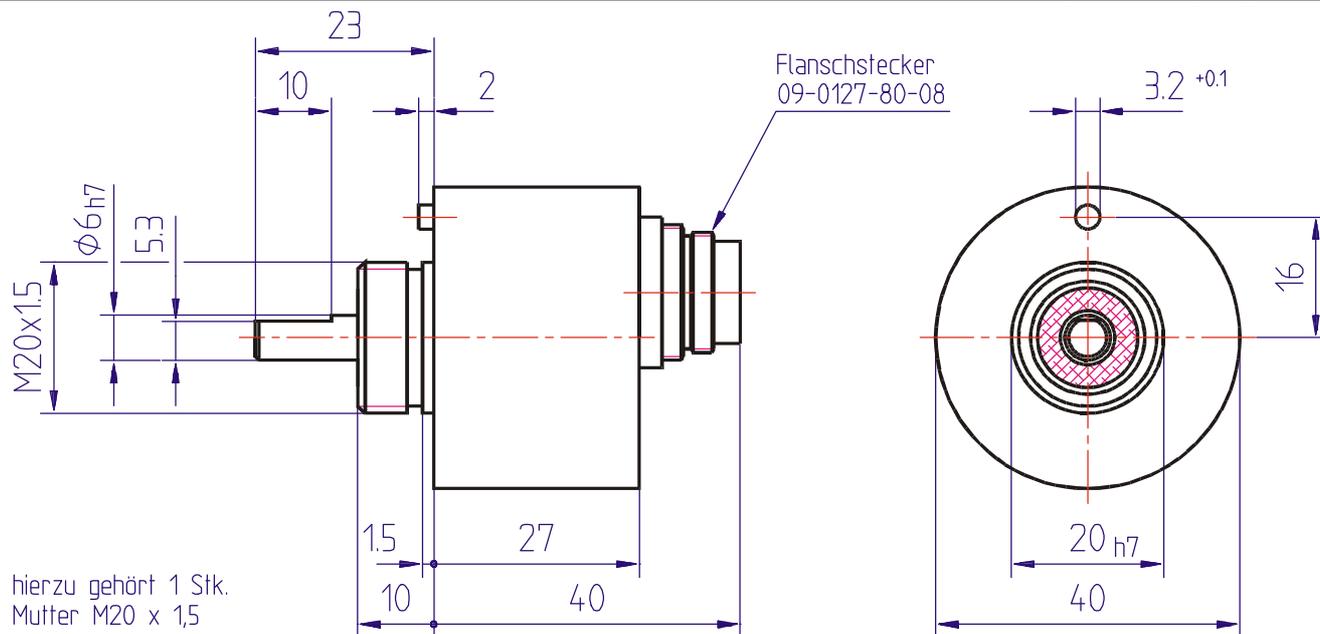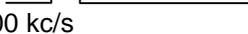
Description

The **IMG40S** is a strong incremental encoder with screw-flange for the inset in the industry. The 40mm diameter and the 6mm axis of them make possible very hard wear. The new developed optical electronics in this encoder guaranteed with differential scanning the code-disk just so a high technical reliability.
The standard typ is delivered with a 8-pole flanged plug and a capacity of 1250 pulses.
The **IMG40S** can be fixed in front by means of one M20 nut. It is particularly qualified to be used with low and medium stress and high speeds.

Technical Data

mechanical features:	Bearing flange with housing:	aluminium solid
	shaft:	steel (stainless)
	Diameter (outside):	40 mm (flange with housing)
	Diameter shaft:	6 mm
	Working temperature:	0 ÷ +80 °C
	Protection class:	IP64 DIN 40050
	Mechanical speed:	max. 10000 min^{-1}
	Loading capcity of the shaft:	max. 10 N axial load
		max. 20 N radial load
	Starting torque:	0.15 Ncm (bei 25 °C)
	Vibration:	<50 m/s² (bei 10 ÷ 2000 c/s)
	Impact:	<50 m/s²
	Weight:	85 g

electrical features:	Operating voltage:	5 Volt DC
	Residual ripple:	50 mVss
	Current input:	50 mA (unloaded)
	Output circuit:	TTL, RS422 compatible
	Output load:	80 mA
	Output signals:	Kanal A / Kanal B / Kanal N
	Output frequency:	max. 200 kc/s
	Puls numbers:	1250
	Type of connection:	8-pole plug

Two square wave signals offset by 90° and one off zero impulse.
Zero impulse 90° (elektrical)
Tolerance ±20° (elektrical)

function	pin
DC in	4
0 Volt	2
Chanel A	3
Chanel A inv.	5
Chanel B	1
Chanel B inv.	6
Chanel N	7
Chanel N inv.	8