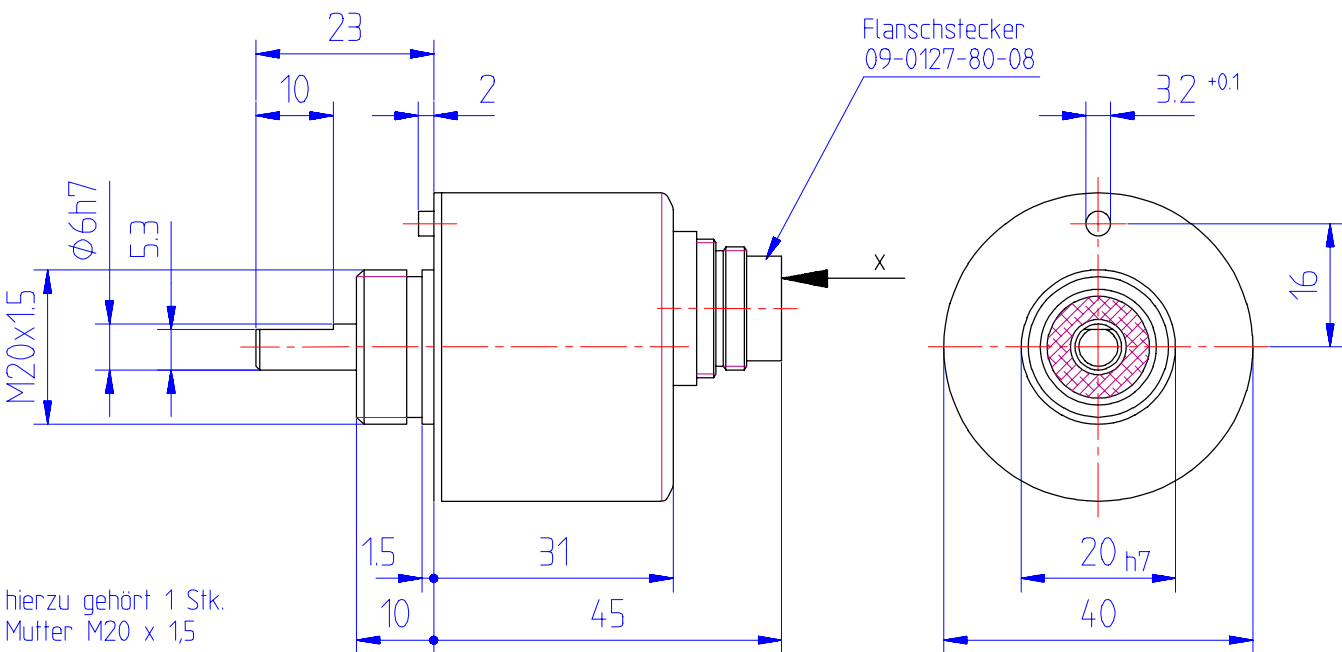


IMG40S-1000-ABN-IT-S2



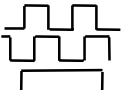
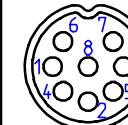

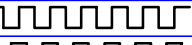
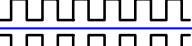
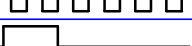
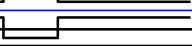

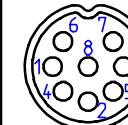

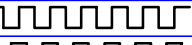
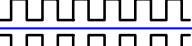
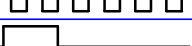
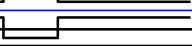

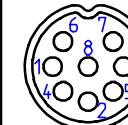

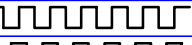
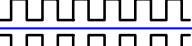
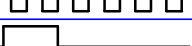
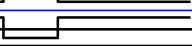

Description

The **IMG40S** is a robust industrial incremental encoder with 40 mm diameter and a capacity of 1000 pulses.

The standard type is delivered with a 8-pole flanged plug.

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		Electrical features																																					
Housing:	aluminium (solid)	Operating voltage	5 volt DC																																				
Bearing flange:	aluminium (solid)	Residual ripple:	50 mVss																																				
Shaft:	Steel (stainless)	Current input:	≤ 100 mA (unloaded)																																				
Diameter (outside):	40 mm	Output circuit:	push-pull inverted																																				
Diameter (shaft):	6 mm	Output load:	30 mA																																				
Working temperature:	0 - 70 °C	Output signals:	 two square wave signals offset by 90° and one off zero impulse (any position and length) tolerance ±20° (electrical)																																				
Protection class:	IP54 (DIN 40 050)	Max. output frequency:	50 kc/s																																				
mechanical speed:	max. 10000 min ⁻¹	pulse numbers:	1000 (per revolution)																																				
Loading capacity of the shaft:	axial load max. 10 N radial load max. 15 N	Type of connection:	plug																																				
Motor starting torque:	0,15 Ncm bei 25 °C	Connection:	<table><thead><tr><th>Ansicht in Richtung X</th><th>Funktion</th><th>PIN</th><th>elektrische Kenndaten</th></tr></thead><tbody><tr><td></td><td>+U_b</td><td>4</td><td>5 Volt DC Restwelligkeit 100mVss</td></tr><tr><td></td><td>0 Volt</td><td>2</td><td></td></tr><tr><td></td><td>Kanal A</td><td>3</td><td></td></tr><tr><td></td><td>Kanal A invertiert</td><td>5</td><td></td></tr><tr><td></td><td>Kanal B</td><td>1</td><td></td></tr><tr><td></td><td>Kanal B invertiert</td><td>6</td><td></td></tr><tr><td></td><td>Kanal N</td><td>7</td><td></td></tr><tr><td></td><td>Kanal N invertiert</td><td>8</td><td></td></tr></tbody></table>	Ansicht in Richtung X	Funktion	PIN	elektrische Kenndaten		+U _b	4	5 Volt DC Restwelligkeit 100mVss		0 Volt	2			Kanal A	3			Kanal A invertiert	5			Kanal B	1			Kanal B invertiert	6			Kanal N	7			Kanal N invertiert	8	
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Vibration:	<50 m/s ² (bei 10-2000 c/s)																																						
Impact:	<50 m/s ²																																						
Weight:	85 g																																						