iC Haus
Integrated Circuits

perfect fit

World of Mini Encoder iCs

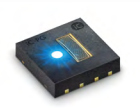
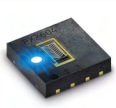
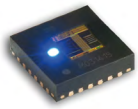
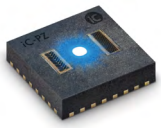
Incredibly small, flexible and unique

- Incremental and absolute optical-reflective encoder iCs
- Extremely small installation space
- Easy assembly and adjustment
- Unique features such as FlexCode® and FlexCount®

Lidar | Robotics | E-Motor | Medical | Security

More information: www.ichaus.de/OpticalEncoderiCs

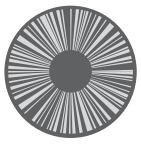
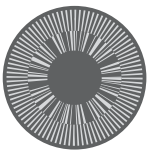
EncoderBlue® Reflective Series

iC-PG	iC-PX	iC-PR	iC-PZ
			

EncoderBlue® Series
in size ratio

Wide assembly tolerance range and operating principle

Key Specifications

Product	Diameter	Resolution per Rev.	Output	Package	Tolerance range (see figure above)
iC-PG	 Ø 8 mm	30 Absolute Positions	• Gray Code Parallel	oDFN8 3x3	• Tangential (X): ± 0.3 mm • Radial (Y): ± 0.2 mm • Tilt (ϕ): ± 2° • Air gap (Z): 1 mm to 2.5 mm
iC-PX iC-PR	 ≥ Ø 4 mm	≥ 1024 CPR	• ABZ • Analog Sin Cos	oDFN8 3x3 oQFN24 4x4	• Tangential (X): ± 0.5 mm • Radial (Y): ± 0.5 mm (iC-PX) ± 0.2 mm (iC-PR) • Tilt (ϕ): ± 2° • Air gap (Z): 1 mm to 3 mm
iC-PZ	 ≥ Ø 9 mm	≥ 20 bit Absolute	• Analog Sin Cos • ABZ • UVW • BiSS • SSI • SPI	oQFN32 5x5	• Tangential (X): ± 0.5 mm • Radial (Y): ± 0.4 mm • Tilt (ϕ): ± 2° • Air gap (Z): 1.75 mm ± 0.5 mm

iC Haus
Am Kuemmerling 18
D-55294 Bodenheim, Germany
Phone: +49 (6135) 9292-300
www.ichaus.de/OpticalEncoderiCs