

Press Release

New incremental encoder IERF3 L from FAULHABER

High-end encoder with maximum precision

FAULHABER is expanding its product range with the ultra-precise incremental encoder IERF3 L. Thanks to the optical measuring principle and state-of-the-art chip technology, the device offers the highest resolution, excellent repeatability, and outstanding signal quality. In typical applications, the positioning accuracy is 0.1° and the repeatability 0.007°. This makes the encoder the perfect solution for high-precision positioning applications in confined spaces.

The IERF3 L is available in three sizes and is optimally matched to the brushless flat DC-Micromotors of the BXT family. The device is available in diameters of 22 mm, 32 mm, and 42 mm and can also be combined with a brake if required. The encoder is equipped with a Line Driver as standard, which ensures complementary output signals and reliable data transmission (especially with long connection cables).

Thanks to its very high positioning accuracy and repeatability, the encoder is perfectly suited for demanding positioning applications, such as in metrology or in optical systems including lasers, microscopes, and telescopes. The IERF3 L can also be used in automation technology, e.g., in semiconductor production or in robotics. As an optical encoder, it is also resistant to magnetic interference fields.

Please contact FAULHABER technical support if you have any questions.

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