



Rotary Encoders for Special Uses

Leinfelden-Echterdingen, 06 April 2021. Rotate, push, control. No matter if lighting system, construction machine or production plant. Based on its smart modular system EBE sensors + motion offers countless adaptations for rotary encoders. These can also cover applications for very special uses in a wide range of areas.

When designing machines and equipment, many details need to be considered. Sometimes the control panel has to resist particularly rough environmental conditions, while spatial conditions are often highly constrained. Developers always face the challenge, however, to design the optimum product for its users. In most cases, the rotary encoder portfolio from EBE offers a suitable solution for particularly demanding requirements. The intelligent modular system around the rotary encoder provides freedom that standard products cannot offer.

EBE rotary encoders can be adapted to a great variety of requirements to detent mechanisms and angles, allow for particularly small installation spaces and are flexible in terms of axis length and diameter. Thus, the rotary encoders BGE 16 and CESI 20 convince by their extremely compact design with diameters of only appr. 16 mm resp. 20 mm. They are particularly appreciated in use with compact, mobile devices such as defibrillators, tachymeters or theodolites. The BGE 43 is also applied in narrow spatial conditions. Due to the use of two separate rotary encoders on one axis, a lot of installation space can be saved, e.g. on mixing consoles.

It is mostly possible to integrate an additional pushbutton function in the rotary encoder. Particular requirements such as water-proofness or preventing penetrating dirt are considered within the framework of the modular system. EBE rotary encoders with such properties are already in use with showers in sanitary technology. They excel in particular by their water-proof detent mechanism and an additional water-proof lighting module which can also be realised in different colours.

With the wide range of possible adaptations, quality and a long lifetime are always paramount so that the end user can profit from the individually designed solutions for a long time.



Picture file: EBE_Drehgeber.jpg

Picture text: The wide range and many adaptations of the EBE rotary encoders, e.g. with the BGE20, allow the implementation of individual special solutions.

Picture source: EBE Elektro-Bau-Elemente GmbH

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Short Profile

The company EBE Elektro-Bau-Elemente GmbH (brand name: EBE sensors + motion) based in Leinfelden-Echterdingen near Stuttgart develops and manufactures OEM-products in the fields of sensor technology, components for HMI-interfaces as well as actuator and mechatronics technology. The focus lies on capacitive and inductive sensors based on the technologies developed in-house and mechatronic solutions for industry, appliances, medicine and mobility. The sensor program also includes level sensors, pressure sensors, position sensors and capacitive buttons. Furthermore, EBE develops and manufactures customer-specific solenoids and robust rotary switches, buttons and encoders and adapts them to the customer requirements. The company sees itself as a competence center for the development and production of sensor systems and drive technology.

Contact

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