

Sendix absolute encoders F5868 / F5888

now available with the standard interface Modbus (RTU)!



With the new Sendix F5868 and F5888 encoders, Kübler complements its F multiturn family products range with robust high-resolution Modbus encoders with a through hollow shaft up to 15 mm for a compact size of only 58 mm. This through hollow shaft leaves, for example on drives, many possibilities for other motor options located behind the encoder. These gearless optical encoders are based on the innovative and patented Intelligent-Scan-Technology™.

Modbus is an open protocol that developed in the industry to become a de facto standard. Data transfer uses three Modbus variants, ASCII, RTU and TCP, each of them being suitable for different tasks. The transmission systems can be either Ethernet or the older serial connection variant. The Modbus variants use a common application protocol. This makes a simple implementation possible in the industry.

The communication profile RTU transmits its data through the serial interface RS485. The Sendix F58 encoders equipped with this interface are easy to install and can be used in the following applications: general automation technology, packaging machines, wind / solar power plants and drive technology.

Thanks to the complete integration of the singleturn and multiturn functionality on an OptoASIC, the encoder is 100 % insensitive to magnetic fields. With a multiturn and a singleturn resolution of 16 bits each, this encoder achieves a high total resolution of up to 32 bits, ensuring the compatibility with the Modbus profile.

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