

MRS manual encoders: Compact with a number of different connections

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Flexible optoelectronic rotary encoder for manual input

MEGATRON MRS rotary encoders are used for manual setpoint input. They are available with and without buttons or detent and come with a wide range of different connections.

The optoelectronic measuring principle of the MRS range of MEGATRON miniature rotary encoders guarantees a high level of operational reliability and a long service life. The manual setting devices for the manual input of setpoints fulfil the task of a human-machine interface (HMI), and stand out thanks to their compact design and sophisticated feel. They offer a cost-effective alternative to mechanical rotary pulse encoders and are optionally available with a push button to acknowledge the input.

Thanks to their compact design (15 x 19 x 8.5 mm housing, L x W x H), MRS rotary encoders are ideal for direct mounting in any position on the PCB. The soldering pins can optionally be positioned to the front, rear or underneath. Rotary encoders are also optionally available with a ribbon cable with a "board-in plug" (JST SAN range).

The MRS range can be equipped with 16 or 32 detents or is also optionally available with none. It has a resolution of four or eight pulses per revolution. The rotary encoders are available with a supply voltage of 5 V or 3.3 V and additional versions are available with greater detent and/or a plastic shaft. In addition, the front can be sealed to IP 65 if required, provided for by a shaft sealing ring in the bearing and a seal on the mounting surface. Modifications to the shaft geometry are also possible with medium quantities of 100 and above.