

Safety - Multi Functional Safety Monitors

DS230 - DS246



B x H x T = 50 x 100 x 165 mm



Safety Motion Monitor

DS230: Multi-functional inputs, signal splitter function

DS236: Multi-functional inputs

The DS series is suitable for safety-related monitor tasks, e. g. overspeed, underspeed, standstill or rotative direction for complex machine applications.

- SIL3 / PLe certification
- Safety functions equivalent to EN 61800-5-2
- 2 encoder inputs with format SIN+, SIN-, COS+, COS- [1 Vss]
- 2 pulse inputs with format A, /A, B, /B [RS422]
- 2 pulse- or control inputs with format A, B, 90° [HTL / PNP] (for rotary encoder, proximity switches or commands)
- Input frequency up to 500 kHz
- Forced-guided redundant output relay (NO)
- 4 control outputs with push-pull characteristic, short-circuit-proof, [HTL], each inverse and redundant
- Safety related 14 bit analog output for 4 ... 20 mA (scalable)
- Power supply 18 ... 30V
- Compact housing for 35 mm mounting top hat rail (according to EN 60715)
- Setup via USB port by operator software or plug-in display and programming unit BG230 (accessories)

DS240: Input for certified SinCos encoders, signal splitter

DS246: Input for certified SinCos encoders

Performance as DS230 or DS236, but with different input configuration.

- 1 encoder input with format SIN+, SIN-, COS+, COS- [1 Vss]
- 2 control inputs [HTL / PNP]

BG230



W x H x D = 50 x 80 x 15 mm

Plug-In Display and Programming Unit (Optional)

For simple parameterization of Motrona safety devices.

- Editing, saving and loading of parameters
- Individual scalable process or speed indicator as well as dual channel frequency indicator for visualization of the encoder frequency
- 1.54" OLED touchscreen with intuitive navigation
- Setup via USB port by operator software