



DS250 / DS260

Safety Motion Monitor for Incremental Encoders / Sensors

- Monitoring of ramp, underspeed, overspeed, standstill and direction of rotation
- Wire monitoring of the sensor signals
- Up to SIL3/PLe with two independent non certified sensors (Version **DS250**)
- Up to SIL3/PLe with one equally certified sensor (Version **DS260**)
- Safety Functions equivalent to EN 61800-5-2 (SS1, SS2, SOS, SLS, SDI, SSM, SLI, SBC, STO, SMS)
- Inputs:
 - 2 incremental inputs (HTL differential/ HTL single ended/ RS422) (Version **DS250**)
 - 1 incremental input (HTL differential/ RS422) (Version **DS260**)
 - 8 control inputs (HTL, PNP)
- Outputs (safe):
 - 2 connected relay outputs, 2 closer (5 ... 250 VAC/ VDC)
 - 1 analogue output (4 ... 20 mA)
 - 4 x 2 control outputs (HTL, Push-Pull)
- Signal splitter (safe): 1 splitter output (HTL/ RS422)
- Mounting to 35 mm top hat rail (according to EN 60715)
- USB interface for simple parametrization by the OS 6.0 operator surface
- Optional available display unit BG250

Technical Specifications:

Power supply:	Input voltage:	18 ... 30 VDC
	Protective circuit:	reverse polarity protection
	Ripple:	max 10 % at 24 VDC
	Power consumption:	approx. 150 mA (unloaded), approx. 2000 mA (loaded)
	Protection:	external fuse (3.15 A, medium time-lag) necessary
	Connections:	screw terminal, 1.5 mm ² / AWG 16
Encoder supply:	Number:	2
	Output voltage:	5 VDC / 24 VDC (approx. 2 VDC ... 3DVC less the input voltage)
	Output current:	max 200 mA per encoder
	Protective circuit:	short-circuit-proof
Incremental inputs:	Number of inputs:	2 Encoder (A, /A, B, /B, Z, /Z), (1 Encoder at DS260)
	Format:	HTL differential/ HTL single ended/ RS422
	Frequency:	max 500 kHz
	Connections:	screw terminal, 1.5 mm ² / AWG 16

