Electronic overspeed switch EGS(HJ) 2
Straightforward monitoring of overspeed or standstill

- Monitor for overspeed or standstill
- Attractive price-performance ratio
- Electrically isolated switching output
- Long service life and outstanding reliability
- High shock and vibration resistance
- Variety of hollow shaft diameters with insulated ball bearings
- Robust, sea-water resistant aluminium casing
- Wear-free semi-conductor switch
- Also suitable for high switching frequencies
- Switching speed preset ex-works
- No configuration required
- High switching accuracy, even at low speeds

Also available as EGSHJ 2 hollow shaft version with insulated ball bearings and robust torque bracket.

Easy and reliable cable connection thanks to vibration-proof, spring-loaded terminal blocks in large axial terminal box.

Cable gland for cable diameters from 5-14 mm (other diameters on request).
Technical data

Supply voltage 12-30 VDC
Switching voltage/current 0-30 VDC / max. 500 mA
Switching speed Adjustable ex-works from 1-6300 rpm; hollow shaft version, max. 5400 rpm
Standstill monitoring Optional alternative to overspeed monitoring
Switching function Opens when the switching speed or angle of rotation is exceeded
Device temperature range -25 °C to +85 °C
Degree of protection IP66
Shock resistance 20 g (≤ 200 m/s²)
Vibration resistance 200 g (≤ 2.000 m/s²)

For combined version with integrated encoder 1024/2048 pulses see FG 2 series with option S.

Type key

Electronic overspeed switch
Construction type
-: Construction type B5 (flange)
HJ: Hollow shaft version with insulated ball bearings

Series

Electrical connection
AK: Axial terminal box

Shaft
-: Solid shaft Ø 11 j6 x 30 mm
12K: Hollow shaft Ø 12 H7 mm with clamping solution
16K: Hollow shaft Ø 16 H7 mm with clamping solution
17C: Hollow shaft Ø 17 mm conical shaft 1:10