

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

Switching speed preset ex-works

High shock and vibration resistance

No configuration required

Variety of hollow shaft diameters with insulated ball bearings

High switching accuracy, even at low speeds

Robust, sea-water resistant aluminium casing

Wear-free semi-conductor switch

Also suitable for high switching frequencies



Also available as EGS(HJ) 2 hollow shaft version with insulated ball bearings and robust torque bracket.

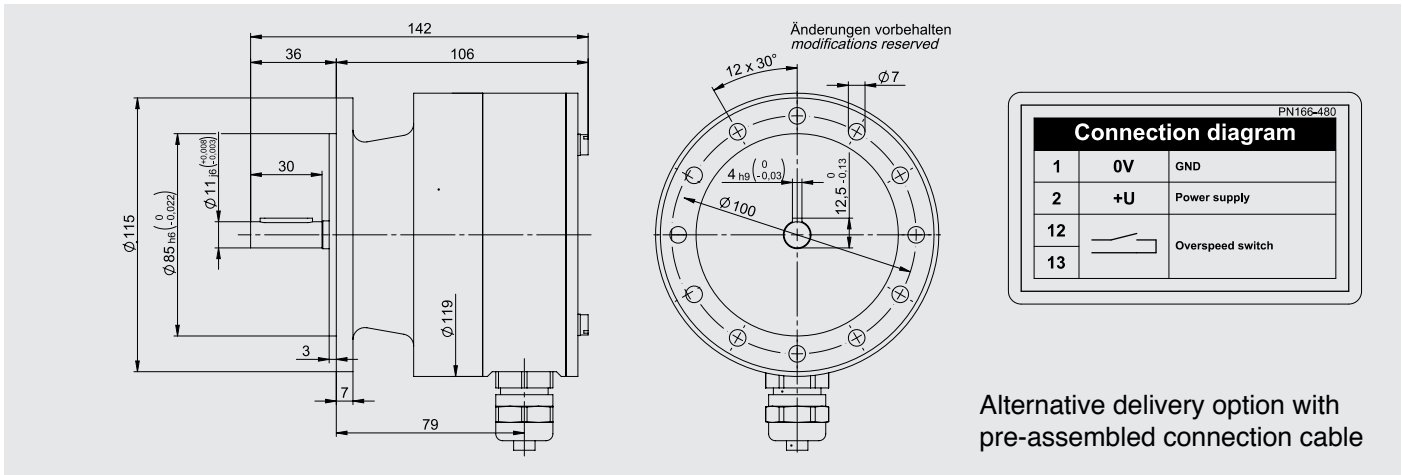


Easy and reliable cable connection thanks to vibration-proof, spring-loaded terminal blocks in large axial terminal box.



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

Dimension drawing (solid shaft) / connection diagram



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 ($\leq 200 \text{ m/s}^2$) |
| Vibration resistance | 200 g ($\leq 2.000 \text{ m/s}^2$) |

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

Type key

EGS

2

AK

/

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 $\varnothing 11 \text{ j6} \times 30 \text{ mm}$

12K: Hollow shaft $\varnothing 12 \text{ H7 mm}$ with clamping solution

16K: Hollow shaft $\varnothing 16 \text{ H7 mm}$ with clamping solution

17C: Hollow shaft $\varnothing 17 \text{ mm}$ conical shaft 1:10