

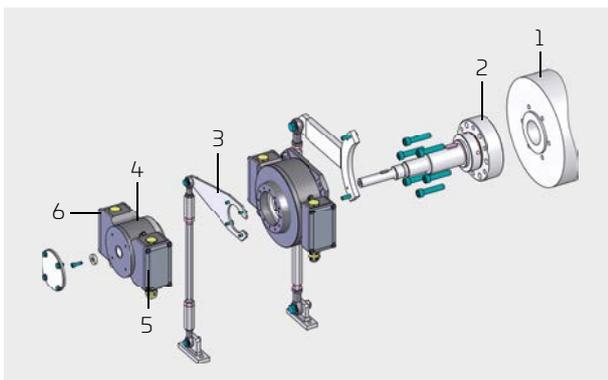


Test stand / Motor: Retrofitted SIL certified encoder and mounting solution on a test stand

- Certified encoder technology
- Certified mechanical mounting
- Overall solution from a single source supplier



Overspeed switch EGSHJ 41 from Hübner Giessen including attachment incorporating fault exclusion for reliable speed monitoring at the test stand motor.



Schematic sketch of the certified encoder and attachment solution.

Task

Starting from an existing non SIL certified speed monitoring solution, a SIL compliant solution including a certified assembly was required to guarantee operational safety.

The Hübner Giessen solution

The EGSHJ 41 overspeed switch from Hübner Giessen now fulfils the customer's specifications regarding SIL certified over-speed protection.

Together with the certified mechanical accessories it was possible to realize the assembly incorporating fault exclusion.

The customer benefits from receiving everything from a single source supplier Hübner Giessen.

The schematic sketch shows

- Customer interface (1)
- Safe flange adapter shaft (2)
- Safe torque bracket (3)
- Safe overspeed switch EGSHJ 41 (4)
- SIL certified switching outputs (5)
- Additional incremental output (6)

Products

- EGSHJ 41
- Certified hollow shaft assembly
- Flange adapter shaft
- Torque bracket
- Engineering support