

Systems and encoders WDG



Silent Move

The belt system, proven to be the quietest in the world, offering outstanding benefits:

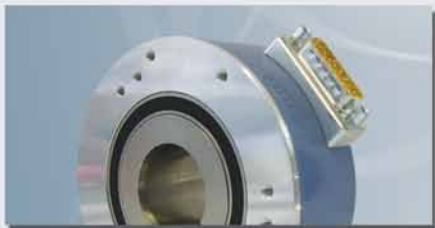
- Smooth running
- Fast
- Quiet
- Circumferential or guided belt system

The rugged WDG encoders measure with their usual precision.



Add-on kit frequency inverter feedback

- Complete retrofit set
- Quickly and reliably fitted with the aid of the accessories
- Cost-effective modernisation solution
- SIN, TTL, HTL output
- Threads: M8, M10, M12, M16 und M20
- 15 m ready made cable for different frequency inverters



Hollow shaft encoder with SUBD interface WDG 100H

- Rugged and extremely slim hollow shaft encoder for extension on power motors
- Continuous hollow shaft, max. 45 mm bore
- With control output
- Meets protection class IP54
- Optional: -40 °C to +80 °C

We look forward to your request!



Large accessories program

- Torque supports and mounting accessories
- Shaft adapters and adapter sleeves
- Helical-, spring disc-, bellows-, jointed-, slit- and paguflex couplings
- Female cable connectors
- Ready made cable
- Spring lever for length determination
- Measuring wheels for all surface areas

For further information and supplementary documentation please contact:

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WACHENDORFF
Automation GmbH & Co. KG

Systems and encoders WDG



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Precision automation with encoders and systems

- Absolute encoders WDGA with EnDra®
- Incremental encoders WDG
- Optical and magnetic
- Standard range and customer versions
- Complete systems
- Maximum permissible loads
- 48-hour express production
- 5 years warranty
- Own development and production
"Made in Germany"



Absolute encoders WDGA with EnDra® -Technology

- EnDra®-Technology: No gears and no battery maintenance-free, free of wear, environmentally friendly, energy efficient
- Single-/Multiturn (14 bit / 40 bit)
- Forward-looking technology with 32 Bit processor
- 2-colour-LED as indicator for operating condition and error message



V4A stainless steel encoder WDG58V

- EHEDG: Tested hygienic design
- Ecolab: Certificate on resistance to cleaning and disinfection agents
- High protection rating IP67 all around and IP69K
- Radial shaft sealing ring with no dead-room (PTFE)
- With light reserve warning



Magnetic encoder WDG24C up to 1024 ppr

- Very compact construction for use in harsh conditions
- High shaft load: 80 N radial, 50 N axial
- Available ppr: 1 up to 128 ppr continuous, 256, 512, 1024 ppr
- Power supply: 4.75 VDC up to 5.5 VDC, 5 VDC up to 30 VDC and 10 VDC up to 30 VDC
- Operating temperature: -40 °C up to +80 °C
- High protection rating IP67 all around



Draw-wire system SZG65WDGA CANopen or SSI

- Exceptionally rugged length sensor
- Measuring range: 0 mm up to 1250 mm
- Output: CANopen CiA 406 or incremental signals
- IP65 absolute encoder WDGA ready-mounted
- Various methods of installation



Encoders WDG58 series:

Now with 25,000 PPR!

- NEW: 10000, 12500, 20000 or 25000 PPR
- High shaft load up to 400 N radial, 400 N axial
- Full connection protection with 10 VDC to 30 VDC
- Optional: -40 °C to +80 °C
- Connections: shielded cable or connector, axial or radial



Robust length measurement system

- Spring lever for any required installation and running direction, adjustable pre-tensioning force: 20, 25 and 30 N for optimum
- Incremental encoder WDG 58B with 2 m cable
- Measuring wheels for encoder, for different surfaces
- Resolution 1 mm, other resolutions available



Draw-wire system SZG81

- Exceptionally rugged length sensor
- Measuring range 0 - 2.5 m up to 0 - 6.25 m
- Output: incremental signals
- IP65 encoder ready-mounted
- Can be supplied with other device types up to 43 meters