

## Systems and encoders WDG



### Silent Move Twin

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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## 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



## Corrosion resistant encoder

Resistance to salt mist (IEC 60068-2-11) succeeded.

- Specifically for applications in offshore and harbor
- Incremental and absolute  
CANopen, SSI, RS485, SAE J1939
- High protection rating: IP68 all around or IP67 all around + IP69k
- Extremely robust



## 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



## Available ex-stock - encoder WDG58T

- Protection to IP50, shaft sealed to IP54
- Highest mechanical and electrical safety
- Available PPR: 360, 500, 1024 PPR
- Power supply: 5 VDC to 30 VDC
- Operation temperature: -10 °C to +70 °C
- 1 m cable, radial
- Housing: Ø 58 mm, shaft: L 20 mm, Ø 10 mm



## 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 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