



MusterdatenExtra1 Mustermann,

in this newsletter, we inform you about our encoders and draw-wire systems in mobile working machines.

However, we prefer to be there for you on site, in a web conference or on the phone. Talk to us! Because the best ideas and solutions come from personal dialog!

You can find the direct line to us here:

Contact partners

**EnDra**<sup>®</sup>  
Technologie



**CANopen**



In order to position a turntable ladder accurately and to be able to act immediately in an emergency, it is essential to accurately record the position of the turntable and the angle of the ladder in relation to the undercarriage. By using the WDGA 36J absolute encoder, it is possible to precisely repeat the motion sequences for positioning the aerial ladder. The robust and

compact design of the WDGA 36J, which is available with various interfaces (for example CANopen), makes it an excellent sensor solution.

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### Features CANopen encoder WDGA 36J:

**Protection class IP67 + IP69K - High bearing loads: 300 N axial / radial**

- EnDra®: Maintenance-free and environmentally friendly
- CANopen, single- and multi-turn
- Communication profile CiA 301
- Device profile CiA 406
- Single-/Multi-turn (max. 16 bit / 43 bit)
- Trend-setting technology with 32 bit processor
- 2-colour LED as display of operating status and error message according to CiA 303-3
- Protection class IP67 + IP69K (high pressure / steam jet cleaning)
- High bearing loads: 300 N axial / radial

Encoder WDGA 36J CANopen

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### Lifting platforms with Wachendorff draw-wire systemes

Lifting platforms are used in a wide range of industrial and domestic applications. In order to be able to move the platform to the desired height, it must be possible to determine an exact position. This can be achieved using the SZG165 wire rope hoist system. Reliable and accurate length measurement allows an exact position to be determined. The wire rope hoist systems are available in lengths up to 40 m.



### Features draw-wire system SZG60:

- Ball bearing mounted swivel
- Stainless steel measuring cable
- Plain bearing guide
- Quick mounting option
- High resolution
- Output: Incremental, CANopen, SSI
- High precision mechanics with high linearity



Draw-wire system SZG60

### Features Seilzugsystem SZG165:

- Ball bearing mounted swivel
- Stainless steel measuring cable
- Plain bearing guide
- Quick mounting option
- Measuring lengths up to 40.0 m
- High resolution
- Output: Incremental and absolute versions
- High precision mechanics with high linearity



Draw-wire system SZG165



### Industry solutions with Wachendorff encoders and systems:

- [Mobile working machines](#)

- Wind energy
- Cranes
- Aerial rescue vehicles
- Automated guided vehicle
- Industrial automation
- Heavy Industry
- Markers and labeling machines

Industry solutions

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Further reference projects can be found here.



Further reference projects

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If you have any questions - our sales team will be happy to help you.  
Give us a call or send us an e-mail.

Your contact persons

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Best regards  
Your



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