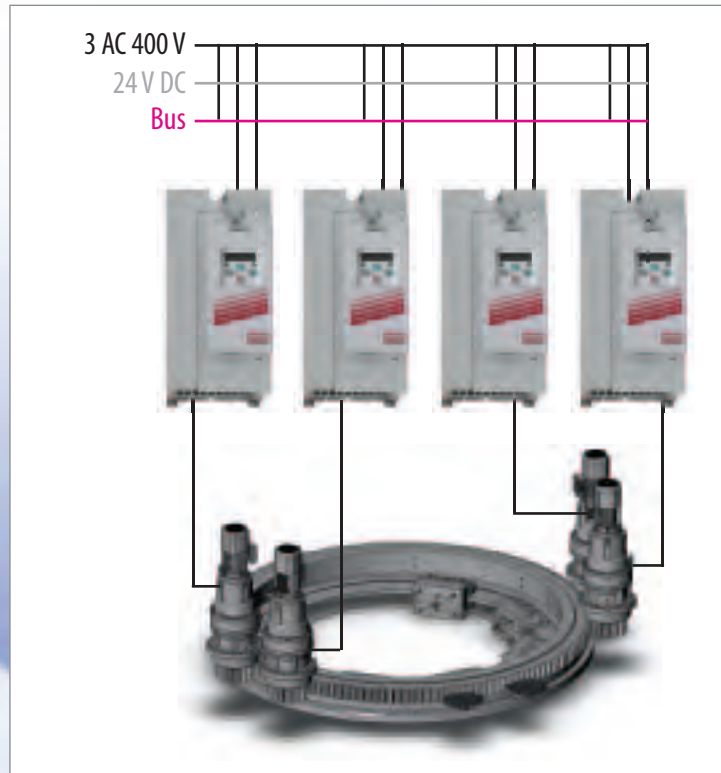


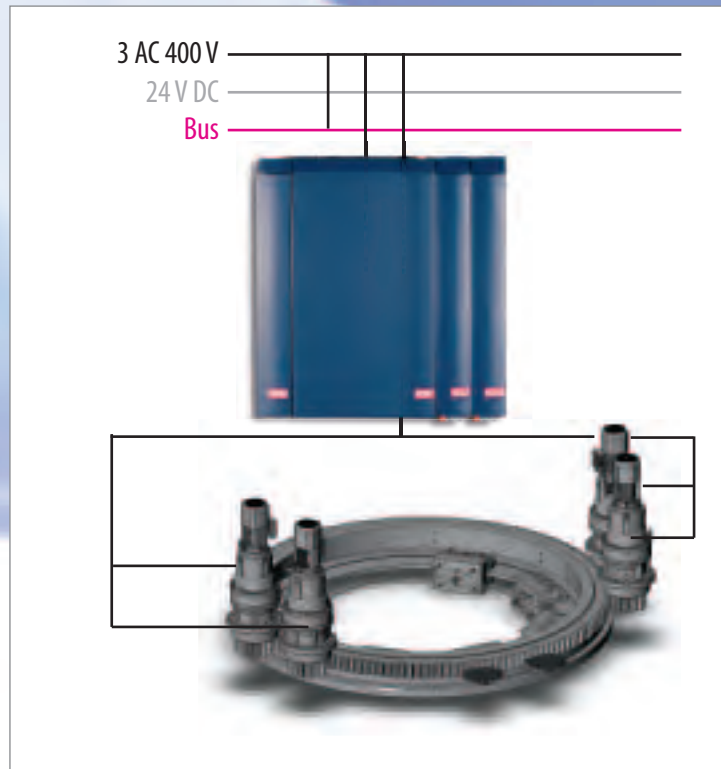
## Hardware Solutions

### Single Axis



- Usage of standard components
- Simple and user-friendly Handling including multipurpose features
- Open and Closed Loop mode
- either AC or DC connection
- Safety in drive systems
- Encoder systems flexibly supported
- Modular heatsink system
- Diagnostic and Monitoring via Universal PC Software
- Wide range of various Bus communications

### Multi Axis



- Usage of standard components
- Space saving design with standardized connection technology
- Integrated 24VDC Supply
- Innovative cooling solutions
- Integrated two-level safety systems
- AFE Regenerative Solutions
- Active DC.bus capacitor cooling
- Standardized programming tools with diagnostics
- Wide range of various Bus communications

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# Application

MADE  
IN  
GERMANY



## Yaw and CMS solution



## Features Attributes

Sensor  
Management

Condition  
Monitoring

Remote  
Control

Un-  
Twisting

Auto-  
Tracking

Brake  
Control

Maintenance  
Management

System  
Simulation

Load  
Sharing

Customized  
Solutions

Lifetime  
Management

Prevention of component breakdown,  
Maintenance Cost Reduction, Improvement of Availabilities...



## Software functionalities

- Wind Power Control Libraries
- Pre-Programmed IEC 61131 Function Blocks
- Condition Monitoring
- Blocked Gearbox break Function
- Manual Control Mode Function
- Emergency Operations
- UPS System
- Data Logger
  - Long Term recording
  - Live Scaling
- Real time Failure History
- Alarm reporting by E-Mail / SMS
- Service Management
- User Management
- Customized Solution possible

```
KEB_CableTwistCheck
ActPosition      AbsolutePosition
DemandPosition  AbsoluteDemandPosition
Module          SoftLimitActive
SoftLimitPos    HardLimitActive
HardLimitPos    UntwistDirection
SoftLimitRev    RevCnt
HardLimitRev
Hydrarasis
```



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