



Safety.

Functional Safety.

AMK

Products with Safety



Decentralized drive technology

- Standard version with STO
- Functional Safety
 - Safety in normal operation
 - Safe operating modes
 - Safe stop functions
- In the certification process for plants up to PLd
- Commanding via the fieldbus with FSoE



Central inverters

- KW devices with integrated OSE safety function: Certified against restart analogous to STO
- For plants up to PLe



Controller cards KW-R07 and KW-R17 for central inverters

- Functional Safety
 - Safe normal operation
 - Safe operating modes
 - Safe stop functions
- TÜV-certified for plants up to PLe (ISO 13849-1:2008) and up to SIL 3 (IEC 62061)
- Commanding via the fieldbus with FSoE
- Commanding via safe I/Os

Safety functions

Safety in normal operation

- Safe Encoder Monitoring (SEM)
- Safe Maximum Speed (SMS)

Safe operating modes:

- Safe Operating Stop (SOS)
- Safe Speed Range (SSR)
- Safely-Limited Speed (SLS)
- Safe Direction (SDI)
- Safely Limited Increment (SLI)

Safe stop functions

- Safe Torque Off (STO)
- Safe Stop 1 (SS1)
- Safe Stop 2 (SS2)



Control your Motion.



- **AMKAMAC**
controllers
- **AMKASYN**
servo converters
- **DYNASYN**
servo motors
- **AMKASMART**
decentralized
drive technology
- **SPINDASYN**
hollow shaft motors

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