PRODUCT NOTICE

Effective October 12, 2021, Kollmorgen AKM2G motors with HIPERFACE DSL® capacitive encoders (standard “GU” option, EEM37-2KF0A017A) are approved for use with functionally safe drive systems, which fully comply with standard IEC 61800-5-2 of the Machinery Directive 2006/42/EC. This includes both brake (“2”) and non-brake (“N”) configurations.

This approval is based on a Kollmorgen self-assessment of the motor production process, as described below:

- Kollmorgen maintains a Functional Safety (FS) Management system for motors, according to the applicable requirements listed in standard IEC 61508-1/-2/-3.
- Kollmorgen guarantees: (1) functional safety encoder is installed and tested according to original manufacturer’s instructions, (2) Brake and FS-encoder traceability is maintained from supplier to customer, and (3) employees involved in FS processes are trained annually.
- An internal audit and Management review is also performed annually to ensure sustained adherence to documented procedures.
- Kollmorgen change control of FS-related parts or processes includes mandatory Functional Safety Management review and approval.

AKM2G motors subject to this approval cannot provide a safe state as a standalone product and must rely on the certified drive system to create a safe state based on feedback supplied by the motor.

Note: Sub-systems utilizing Kollmorgen AKM2G and Kollmorgen AKD2G drive are TÜV-certified, according to standard IEC 61800-5-2.

When used as part of a non-AKD2G drive system, the following attributes of the AKM2G motor must be recognized:

1. AKM2G-xxx-xxxxGUxx – Safe Feedback HIPERFACE DSL® Option
   - The HIPERFACE DSL® capacitive encoder (EEM37-2KF0A017A) from SICK is a certified safe motor feedback device.
   - The design and assembly of the AKM2G motor are in accordance with the installation instructions from SICK for this device and meet the fault exclusion requirements in IEC 61800-5-2.
   - The motor feedback system is capable of up to safety level SIL2 (IEC 62061) when installed as part of a drive system certified according to IEC 61800-5-2.

2. AKM2G-xxx-xxx2xxxx – Spring-Applied Brake Option (if applicable)
   - Spring-applied brakes are not certified safe components but rather “well-tried components” according to ISO 13849-1, Cat. 2.
   - This type of brake is considered “fail-safe” because the deenergized state is also the safe state; however, operation of the brake must still be controlled by the drive in a functional safe system and the safety level is determined by the architecture of the drive system.

Please direct additional comments and technical questions to Kollmorgen Engineering.

Serial No. 2141100001 and Later