Extension components**/Axis componentrie** KSM 122-2

Product KSM 122-2

**Measurement** Width x Height x Depth 100 x 115 x 86

**Description**

Extension module for safe motion of two drive axes with enhanced encoder interface. The module is suitable for the use with an KSM100 series module. The module will be connected to the basic module via the Back-Plane-Connector just by plugging it on the head rail.

The module supports 1 encoder solutions (Inc.- TTL, Resolver, SIN/COS, Proxi-Sw.) and also 2 encoder solutions (variable combination of encoders possible).

The module provides 12 safe inputs for connecting safety related peripherals.

- Encoder interface for 4 x Incr-TTL/SIN-COS/SSI front side and 2 x HTL using terminal clamps
- 12 safe inputs
- Cross circuit monitoring by pulse outputs of the basic module
- Comprehensive diagnostics implemented in FW
- Powersupply via basic module

**Environmental data**

- Rated data digital In
- Clock frequency/mode SSI
- Encoder interface 1 (frontside)/technology 4/SSI; SIN/COS; Inkr.-TTL; Resolver
- Encoder Ext. Board: Master Mode 150 kHz/Slave Mode 250 kHz

**Technical data**

**Safety characteristics**

- Pin-out according to EN 1849
- Pin configuration
- Poles of connection
- Pin: P01 to P020
- Pin: 4 to 20
- Diagnostic interval 20 years + max. period of application

**General data**

- Safe digital input lines
- Type of connection
- Min. monitoring – number of sec
- Encoder interface 1 (frontside)/technology 4/SSI; SIN/COS; Inkr.-TTL; Resolver
- Encoder Ext. Board: Master Mode 150 kHz/Slave Mode 250 kHz

**Electrical data**

- Power consumption
- Rated data digital In
- Rated data digital Out
- Rated data analog In
- Rated data analog Out
- Max. Frequency
- Type of connection
- Propluggable terminals

**Environmental data**

- Power supply via basic module
- Cross circuit monitoring by pulse outputs of the basic module

**Mechanical data**

- Safe digital input lines
- Type of connection
- Min. monitoring – number of sec
- Encoder interface 1 (frontside)/technology 4/SSI; SIN/COS; Inkr.-TTL; Resolver
- Encoder Ext. Board: Master Mode 150 kHz/Slave Mode 250 kHz

**Sensor interface - Pin Out**

- Incremental - Encoder SIN/COS
- Resolver
- Resolver Absolut x 2 x 5 kHz

**KSM 122-2 – sketch (example)**

The variable encoder power supply has to be provided external. It will be internal monitored.

Full documentation available on the Kollmorgen AKD Product DVD