**Extension componentries™ Axis componentrie™ KSM 121**

**Technical data**

**General data**
- Safety digital input line: 12 inputs, OSSD compatible
- Drive monitoring - number of axes: 1 axis
- Encoder interface: 1 x Incremental TTL/Sine-Cosine, 1 x HTL using terminal clamps
- Max. Frequency SIN/COS, Inkr.-TTL: 200 kHz
- Cross circuit monitoring by pulse outputs of the basic module

**Electronic data**
- Power consumption: 2.4 W
- Rated data digital I: 24 VDC, 20 mA, Type I: in accordance to EN61131-2

**Environmental data**
- Temperature: 0°C up to 50°C operational temp., -10°C up to +70°C storage temp.
- Protection rating: IP 20
- Climate class: 3 in accordance to DIN 50 178

**Mechanical data**
- Max. terminal cross section: 1.5 mm²
- Weight: 210 g

**Safety characteristics**
- Comprehensive diagnostics implemented in FW
- Cross circuit monitoring by pulse outputs of the basic module
- Encoderinterface for 1 x Incr.-TTL/SIN-COS/SSI front side and 1 x HTL using terminal clamps
- 12 safe inputs

**Sensor interface - Pin Out**

**Encoder Interface 2 (terminals) - number/technology**
- 1/Proxi-Sw.; Inkr.-HTL

**Drive monitoring - number of axis**
- 1 axis

**Data +**
- 5

**Data -**
- 6

**SIN +**
- 4

**SIN -**
- 3

**Clk +**
- 8

**Clk -**
- 7

**B +**
- 4

**B -**
- 1

**A +**
- 9

**A -**
- 2

**GND**
- 1

**Pin Out - terminal diagram**

**KSM 121 – sketch overview**

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

For more informations please visit our website: www.kollmorgen.com