**Product KSM 100-4-CN**

**Measurements**
- Width: 140 mm (5.5"
- Height: 80 mm (3.1"
- Depth: 230 mm (9"

**Description**
Open programmable safe PLC for machinery and plant construction. The module can be enhanced up to 100 safe I/O's and/or up to 12 axes. The CANopen interface provides USD 40 safe I/O's, 14 safe inputs and 3 three output channels as well as a memory card slot for easy program and configuration changes. Optional fieldbus interface can be integrated.

The continuous function chart oriented programming through SafePLC allows an easy and comfortable implementation of safety related tasks. The firmware of modules offers an comprehensive library for standard functions for safe signal processing of safety related sensors and actors as well as for practical technology functions especially for safety integral of drives.

The spectrum of the module reaches from conventional safety logic processing through simple safety speed monitoring tasks of single axes up to complex safety more dimensional speed and range/zone monitoring in multiple axes processes.

The CANopen communication devices used to exchange non-safe data between KSM modular device and non-safe control systems. The configuration of the non-safe data via SafePLC of modular device. The device must be parameterized as a CANopen slave device. Safe functions are: Safe memory card, messaging and auxiliary output 1 messaging and auxiliary output 2

- Safe relay outputs
- Safe analog In
- Safe digital I/O lines 14 incl. 8 OSSD
- Safe digital input lines 14 incl. 8 OSSD
- Safe digital output lines 14 incl. 8 OSSD
- Safe analog Out
- Safe digital output lines 3
- Safe digital input lines 3
- Safe digital input lines 4
- Safe relay outputs 3
- Safe relay outputs 4
- Safe analog In
- Safe analog Out
- Safe digital output lines 3
- Safe digital input lines 3
- Safe relay outputs 3
- Safe relay outputs 4
- Safe memory card
- CANopen

**Pin Out - terminal diagram**

**Technical data**

**Safety data**
- Safety architecture: EN 13849
- Architecture Class 4
- Operating environment: -10 °C up to 50 °C
- Storage temperature: -25 °C to 85 °C
- Environmental category: 1
- Mechanical category: 1
- Rated data relay output: 24 VDC; 250 mA
- Rated data digital In: 24 VDC/2A
- Tolerance: ±15%, ±20%
- Power consumption: Max. 5 W
- Mechanical category: 1
- Mechanical category: 1

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