Basic components: Series KSM100 | KSM 100-1-CN

Product KSM 100-1-CN

Measurements in mm (h x d x w): 100 x 115 x 90

Description

Open programmable safe PLC for machinery and plant construction. The module can be enhanced up to 130 safe I/Os and / or up to 13 axes.

- CANopen communication is supplied with 14 safe inputs and 3 safe outputs, as well as a memory card slot for easy program and configuration change, option: fieldbus can be integrated.

- The continuous function chart oriented programming frame SafePLC allows an easy and comfortable implementation of safety related tasks. The firmware of modules offers a comprehensive library for standard functions for safe signal processing of safety related sensors and actions as well as for practical technology functions especially for safe motion control.

The CANopen communication device used to exchange non-safe data between KSM modular devices and non-safe control systems. The configuration of the non-safe data via SafePLC of modular devices must be parameterized as a CANopen slave device.

- 14 safe inputs, 2 cut-off channels, thereof 1 safe relay output and 2 messaging outputs in the basic module.
- Expandable up to 130 safe I/Os and / or 13 safe axes in standard bus (connection to snap on head rail)
- Integrated fieldbus interface (CANopen)
- CFC oriented programming with SafePLC - Software
- Comprehensive library with pre-configured safely related sensors and actions
- Complete speed and position-oriented safety functions for safe motion according to EN 61800-5-2
- Dimensional function for safe speed and / or zone monitoring possible
- Parameterization for expansion modules in the basic module
- Cross circuit monitoring
- Comprehensive diagnostics integrated in firmware
- Connected status display using 7-segment display and LED is mounted in the front sides
- Quit / Start / Reset button in front side

General data

- CANopen Baudrate 5
- Type of connectors Pluggable terminals
- Dimensional functions for safe speed / and range / zone monitoring possible
- CFC oriented programming with SafePLC - Software
- Comprehensive library with pre-configured safely related sensors and actions
- Complete speed and position-oriented safety functions for safe motion according to EN 61800-5-2
- Dimensional function for safe speed and / or zone monitoring possible
- Parameterization for expansion modules in the basic module
- Cross circuit monitoring
- Comprehensive diagnostics integrated in firmware
- Connected status display using 7-segment display and LED is mounted in the front sides
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Technical data

- Measurement in mm (h x d x w): 100 x 115 x 90
- Protection according to EN 60529 IP 52
- Power supply 24 VDC
- Protection MF 2 A and 230 VAC / 2 A
- Rated data of digital inputs Max. 250 mA
- Rated data of digital outputs Max. 250 mA
- Rated data of digital relays Max. 250 mA
- Pulse output lines (cross-shunt detection)
- (0) 0 VDC
- (1) 24 VDC
- (2) 24 VDC
- (3) 24 VDC
- (4) 24 VDC
- Safe relay outputs
- (1) 0 - HI
- (2) 0 - LO
- (3) 0 - LO
- (4) 0 - LO
- Safe digital input lines 14 in total, 8 OSSD, module (decentralized assembly)
- Safe digital output lines 14 incl. 8 OSSD compatible
- Power consumption Max. 5 W
- Environmental data
- Storage temperature up to +70 °C
- Protection rating according to EN 60529 IP 52
- Mechanical data
- Size (h x d x w): 100 x 115 x 90
- Weight 431 g
- Max. terminal (each): 1.5 mm

Safety without limits!