MSTKN-H-Q12-EM-M12

Datasheet • Version 2.0

- 2-slot socket tray with status display and operator guidance
- 3 operation modes possible: free selection, worker guidance and direct operation
- Detailed diagnostic capabilities
- Maximum tool diameter of 70 mm
- Rugged aluminium casing IP54
- Connected via MODBUS protocol

Overview

The MSTKN socket tray are developed for industrial environments. They can be controlled by any PLC, BOSCH tightening systems (IM24V Card) or other 24V-capable interface.

Description

The socket tray communicates through an M12 connector. The MODBUS signals are being forwarded through another M12 connector. The interface is used to select the operating mode, preselect the tool and to execute diagnostic functionality. The communication is either binary-coded or bit-coded.

LED display

Each socket has three colored LEDs (red, yellow and green) to signal the state of the socket and the preselection of the control unit. They can also show malfunctions of the socket tray itself.

Operation modes

Depending on which operating mode is selected, it is possible to guide the user for which tool to pick (“user guidance”) or leave this decision to the user (“free selection” & “direct operation”). For additional safety (to identify cabling problems) in “direct operation” mode the select output signal is set only if the tray receives the correct return value from the control unit (mirrored signals). In every other mode the select output signal is set as soon as the correct tool is picked.

Additional functions

Using the programming cable and the software that is supplied with the socket tray, the group functions and tool recognition can be configured. For more detailed information please see the manual.

Technical Data

Dimensions: WxHxD 240x103x60 mm
Weight: approx. 1,4 kg
Operating temperature: -20 … +50°C
Protection: IP54
Supply: 5V DC, < 200mA
Connectors: 2 x M12 (pin and socket)
EMC: EN 61000-6-2 und EN 61000-6-4

Ordering Information

Order No.	Description and references
22363	MSTKN-H-Q12-EM-M12

Please note, that additional models (additional enclosures/ sizes and interfaces) of MSTKN are available.