Product information EKM6728

EKM6728 is an enhanced LIN-Bus module with 16 freely programmable I/O terminals (2x8 module).

Exterior view:

Features:

- LIN-Bus module
- 16 freely programmable I/O terminals
- Single button operation
- Dim. (WxL): 87x41 mm
- Din rail mounting
- Power supply: 24V

Connectors and jumper:

- X1: LIN-Bus port
  1: LIN, 2: Ground, 3: +24V
- X2: 1-8 In-/Outputs – setup adress
- X3: 11-18 In-/Outputs – setup adress +1
- X4: LIN-Bus termination
- X5: for production only – not for use

Indicators:

- H1, H2, …, H8: Status LEDs for X2 terminals 1, 2, … , 8
- H11,H12...,H18: Status LEDs for X3 terminals 11, 12,…,18
- H9: Status LED power supply
- H10: Status LED bus activity

Settings:

Use button S1 to configure the modules bus address

- Press button S1 shortly (less than 2 seconds) to switch from normal mode into bus address configuration mode. H10 goes out in address configuration mode, H1 to H6 show the current address value in binary coding. Permissible address value range is 1, 2, ... 63.
- While in bus address or module configuration mode, pressing S1 shortly increments the current value by one.
- Pressing and holding S1 (for more than 2 seconds) directly after entering address configuration mode auto-increments the address value by one in intervals of a quarter second.
- Pressing and holding S1 (for more than 2 seconds) at a later point in time stores the new value permanently.
- When LED H8 stops blinking, data storage was successful, otherwise H8 flickers to indicate an unsuccessful data storage attempt.
- When S1 is depressed and blinking of H8 accelerates the module signals that it will soon drop back into normal mode (within 5 seconds), discarding any modified data. Configuration mode can be extended by pressing S1.