

DESCRIPTION

The digital input unit is a module packed in a plastic case, intended for mounting on a DIN mounting rail. The box is PHOENIX type ME MAX 22.5 U-U1 KMGY, width: 22.6 mm, height: 99 mm, depth: 113.65 mm.

On the front side of the box there are connections for 8 digital inputs, on the bottom side there are two RJ11, 6 pin connectors for power supply and CAN connection. On the back side of the box, in addition to the acceptance for mechanical fastening, there are leads on the PCB made in such a way as to enable the connection to the "DIN rail bus connector" (PHOENIX type ME 22.5 TBUS 1.5/ 5-ST-3.81 KM) through which power supply and CAN communication are achieved, with the same signals as on RJ11 connectors. On the upper side of the box there are 4 two-position switches (DIP switch) and a LED.



Digital input module



Bottom side



Top side



Back side

Meaning of individual switches on the upper side of the box (DIP switch):

Switch 1: ON position - 120 ohm terminating resistance on, OFF - resistance off.

Switch 2: Position ON – CAN ID module = 0x155, OFF – CAN ID module = 0x154.

Switch 3: Not used.

Switch 4: Module test. In normal operation, it must be OFF.

Signaling of the signal led:

Constant lighting: Communication with the supervisor established and ongoing.

Blinking with a frequency of 1 Hz: Communication with the monitoring unit has been interrupted for more than 3 seconds.

Blinking with a frequency of 5 Hz: The voltage of the CAN bus (module power supply) is out of range.

Electrical characteristics:		
Supply voltage	8 - 12	V
Supply current	<100	mA
Open input voltage	5	V
Active input current max	1.5	mA

CAN connector	Function
1,2	Power supply positive pole, +8 to +12 V
3	CANH
4	CANL
5,6	Power supply negative pole.