CAN-AKCEL

ACCELERATOR PEDAL CONVERTER

The CAN_AKCEL module processes the analogue signals transferred from the accelerator pedal; i.e., it converts them to values for the message sent, checks that they don't exceed the limit values and logically checks their mutual connections.

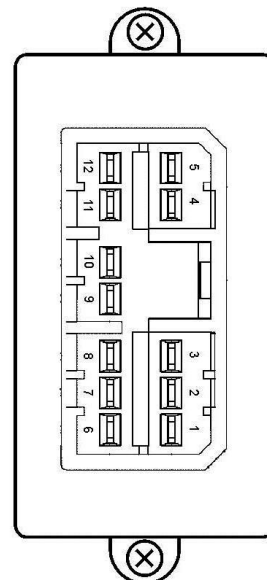It processed any errors as values for sending error messages.(DM1)

Product name	**CAN AKCEL 2.5.**
Applications	Buses, Trucks, Mobile machinery
Environment	Operating temperature range: -30 - +70° C Relative humidity up to 90% Electronics box IP 42 Resistance to vibration 5 g
Power supply	+16 – +30 V DC , nominal voltage 24V
Odebíraný proud	max. 60 mA
Current	yellow blinking LED
Dimensions	67 x 30 x 85 mm
Associated products	KIBES

Pedal parameters

Range of potentiometer values	820-1200 ohm
Disconnected switch resistance "Low idle SW"	>10k ohm
Resistance range of connector switch "Low idle SW"	820-1500 ohm

Pinout

Pin no.	Function
1	CAN H
2	CAN L
3	CAN – activation of end line resistor
4	Pedal potentiometer, cursor, pin 1 of the pedal connector
5	GND
6	CAN H
7	CAN L
8	Pedal potentiometer, „Low" output, pin 3 of the pedal
9	Low-idle SW, pin 4 of the pedal connector
10	Low-idle SW, pin 5 of the pedal connector
11	Pedal potentiometer, "Upper" output, pin 2 of the pedal
12	+24V power

Dimensions and notes

- For the CAN-bus connection it is enough to use only one of the connector pins

- Connecting external power to pins 4, 8, 9, 10 and 11 may cause damage to the device

- The connecting wires between the device and the pedal should be as short as possible, ideally not more than 3 m