



The DB-1KAR / T dashboard interface is used to link the Motometer and the electrical wiring to the dashboard. The advantage of this interface is to connect the dashboard to the car via three connectors. Basic interface functions:

- 1) Automatic 2-3 second test of lights (Test is performed by the control units themselves – ABS, ASR, HEATING, BATTERY1, BATTERY2)
- 2) The STOP light is activated by the LEDs  
 „OPEN DOORS 1 & 2“ „ENGINE FIRE“ „ENGINE TEMPERATURE“  
 „LOW PRESSURE 1&2“ „MOTOR OIL PRESSURE“  
 „UNCONVENED HIGH PRESSURE AIR“
- 3) SERVICE light is activated by the LEDs  
 „FUEL WATER“ „ALTERNATOR 1&2“ „FUEL FILTER“ „ENGINE OIL FILTER“  
 „ENGINE SILENT FILTER“ „COOLING LIQUID COOL“
- 4) Control of piezo siren via gas pedal and warning signal  
 „ENGINE TEMPERATURE“ „LOW PRESSURE 1&2“ „FAILURE HIGH PRESSURE OF AIR“  
 „ENGINE OIL PRESSURE“ „COOLING LIQUID“
- 5) Cancellation of the speed signal from the car
- 6) Output test 2-3 seconds (connected +24V)
- 7) Dashboard backlight control (day – night)
- 8) Signal amplifier for tachograph output – TACHO light

**Characteristic data:**

Symbol	Parameter	Size			Value
		min.		max.	
U <sub>cc</sub>	Power voltage	21		32	V
t	Operating temperature	-40		85	°C

Wiring:

#### Wiring the 18-pin connector (AMP 929 504-6)

pin	Title	Connection to the car
1		Coolant
2		Engine oil filter
3		Fuel filter
4		Water in fuel
5		Engine intake filter
6		Engine fire
7		Oil level
8		Alternator 1
9		Alternator 2
10		TACHO, input from tachograph D4
11		Piezo siren output
12		Gas control – earth switch
13		
14		Indicator STOP
15		<b>Output +24V Testing indicator 3s</b>
16		Connector MFA10 pin n.3
17		input sp/min from vehicle
18		output sp/min to MFA10 pin n. 8,20

#### Wiring the 22-pin LED connector (AMP 929 504-7)

pin	Title	Connection to the car
1		Direction lights left
2		Direction lights trailer
3		Diesel heating
4		Speed limitation
5		Motor diagnostics
6		ASR
7		ABS
8		Doors 1
9		Doors 2
10		Pneumatic pressure brake
11		High beam
12		Silent lights
13		Outline lights
14		Direction lights right
15		Stop
16		Cold start
17		Engine brake
18		Retarder
19		Lighting from the car
20		Ground
21		Lights to MFA10 pin.n.16
22		keys

**Connector wiring MFA 10:**

pin	Title	Connection to the car
1	plus battery	+24V
2	Ignition	Ignition
3	Switched output 1	DB-1KAR KON-18-PIN16
4	Switched output 2	Motor brake (1000sp/min)
5	Input	Ground
6	Input	Input km/h B8 tachograph
7	Input	Ground
8	Input	DB-1KAR KON-18-PIN18
9	Input	Air pressure 1. brake circuit
10	Input	Air pressure 2. brake circuit
11	Input	Engine temperature
12	Input	
13	7,5V	
14		Ground
15	minus battery	Ground
16		DB-1KAR KON-22-PIN21
17	RxD	
18	TxD	
19	Input	Ground
20	Input	DB-1KAR KON-18-PIN18
21	Input	Ground
22	Input	Input km/h B7 tachograph
23	Input	Fuel
24	Input	Outdoor temperature
25	Input	Engine pressure

The connection is made using 3 AMP connectors

- Wiring MFA10            AMP 925 470-1            (25 pins)
- Indicator wiring        AMP 929 504-7            (22 pins)
- AMP 929 504-6            (18 pins)