



The test box assists in checking 12 volt trailer sockets for roadworthy condition and trailer indicator monitoring where mandatory.

The test box checks 13-pin sockets according to DIN/ISO 11446 and 7-pin sockets according to DIN/ISO 1724 by use of included adapter. The test box is equipped with genuine filament bulbs for all lighting functions.

#### **Testable lighting functions:**

##### **Trailer indicator left and right side**

- Activate vehicle indicator (left or right) by moving indicator stalk switch into desired position.

Failure of an operating trailer indicator lamp can be simulated by switching it off with one of the top switches in the test box control panel. Deactivation of an operational trailer indicator lamp should be indicated inside the towing vehicle.

##### **Trailer lights**

- rear light, left side
- rear light, right side
- brake lights
- rear fog light
- reversing light

##### **Testable special functions**

- Charging line for trailer battery

Set lower right switch in test box control panel to PIN 10 position and idle engine. Operation of charging line is displayed on the test box red fog light.

- Constant 12 volt current for trailer auxiliaries

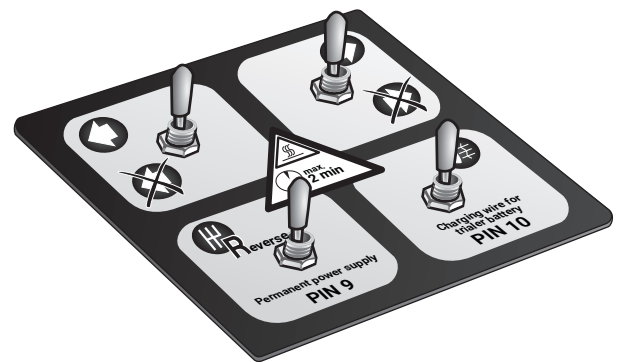
Remove ignition key and set lower left switch in test box control panel to PIN 9.

Operation of constant current line is displayed on the test box white reverse light.

#### **Notice:**

Single-handed testing can be conducted by use of extension cable 23400026 (not included).

**Only qualified for short test sequences. No continuous use!**  
**Risk of overheating of the lamps!**



## Connection diagramm 13 pin socket

contact	circuit	core colour	
1	direction indicator left	yellow	1,0 mm <sup>2</sup>
2	fog rear light	blue	1,0 mm <sup>2</sup>
3	earth (contact No. 1-8)	white	1,5 mm <sup>2</sup>
4	direction indicator right	green	1,0 mm <sup>2</sup>
5	right tail light	brown	1,0 mm <sup>2</sup>
6	stop lights	red	1,0 mm <sup>2</sup>
7	left tail light	black	1,0 mm <sup>2</sup>
8	reversing light	pink	1,0 mm <sup>2</sup>
9	power supply (battery plus)	orange	2,5 mm <sup>2</sup>
10	Plus charging circuit plus	grey	
11	earth contact No. 10	white / black	
12	trailer identification control line		
13	earth (contact No. 9)	white /red	2,5 mm <sup>2</sup>
2a	fog rear light on vehicle	blue /black	1,0 mm <sup>2</sup>

## Connection diagramm 7 pin socket

contact	circuit	core colour	
1/L	direction indicator left	black / white	1,0 mm <sup>2</sup>
2/54g	fog rear light	white	1,0 mm <sup>2</sup>
3/31	earth (contact No. 1-8)	brown	1,5 mm <sup>2</sup>
4/R	direction indicator right	black / green	1,0 mm <sup>2</sup>
5/58R	right tail light	grey / red	1,0 mm <sup>2</sup>
6/54	stop lights	black / red	1,0 mm <sup>2</sup>
7/58L	left tail light	grey / black	1,0 mm <sup>2</sup>
8	fog rear light on vehicle	black	1,0 mm <sup>2</sup>