

# LAB 24-7

## LED-adapt (Bypass) 24V-resistor replacement load for LED- lights in a trailer



24 Volt resistor replacement load for the adaptation of light emitting diode (LED) trailer lamps at vehicles with incandescent lamp monitoring. The failure of a LED unit is indicated and the replacement load is turned off. To cool the system a metal surface is needed. The Bypass-function enables subsequent mounting of bulbs up to 180W.

- \* **simply connect ahead of LED lamps**
- \* **LED-failure is indicated**
- \* **the input will be connected to the output in a bulb connection**
- \* **serves all lines with replacement resistors**
- \* **short circuit proof**
- \* **input cable 3,5m can be connected directly to the plug**

Operating voltage:  
24V nominal

Output current:  
max. 8A each line (bypass on)

Configuration input:  
sheathed cable 7 x 1 + 1 x  
2,5mm<sup>2</sup>, bare endings

Cable length input:  
ca. 3,5m

Configuration output:  
sheathed cable 7 x 1 + 1 x  
2,5mm<sup>2</sup>, bare endings

Cable length output:  
ca. 1,2m

Load limitation:  
2x17 W (direction)  
2x4W (rear lamp)  
1x34W (stop light)  
1x17W (fog lamp)  
1x17W (reversing lamp)

Failure monitor LEDs:  
24mA (direction)  
860mA bypass  
6,5mA (rear lamps)  
600mA bypass  
9mA (stop light)  
1510mA bypass  
9,5mA (rear fog lamp)  
860mA bypass  
24mA (reversing light)  
860mA bypass

Temperature range:  
-40...+75°C

Electrical protection:  
overcurrent, overtemperature,  
reverse polarity

Mechanical protection:  
entirely sealed (IP69K)

Dimensions:  
280 x 70 x 25mm

Weight:  
ca. 1680g

Mounting rule:  
cooling plate 8dm<sup>2</sup> (aluminium  
sheet 1.5mm thickness) or on  
chassis frame

Order Info:  
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