

LAB 12-7

LED-adapt (Bypass) 12V-resistor replacement load for LED- lights in a trailer



12 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 95W.

- * **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:
12V nominal

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

Configuration input:
sheathed cable 7 x 1 + 1 x
2,5mm², bare endings

Cable length input:
ca. 3,5m

Configuration output:
sheathed cable 7 x 1 + 1 x
2,5mm², 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 8dm² (aluminium
sheet 1.5mm thickness) or on
chassis frame

Order Info:
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