

LA 12-2EK



LED-ADAPT

12V-Resistor Replacement Load for LED lights in a trailer, Single Cable Solution



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 direction LED unit is indicated and the replacement load is turned off. LED-ADAPT must be mounted on a metal surface.

CAUTION The connection of any bulb on the output is prohibited. The over current protection may cut off not until after several minutes!

- * **single cable version**
- * **LED-direction indicator monitoring**
- * **serves the direction indicators with replacement resistors**
- * **conditionally short circuit proof (about 100 cycles)**

Operating voltage:

12V nominal

Load limitation:

2x17 W (direction)

Failure monitor LEDs:

20mA (direction)

Connection cable: :

hose line 5 x 1mm²,
length 0,25m,
ins. 6,3mm blade receptacle

Maximum output current:

direction: 0.4A (Over current
protection time delay
1...2000s !)

Dimensions:

120 x 70 x 25mm

Mechanical protection:

entirely sealed (IP69K)

Electrical protection:

overcurrent, overtemperature,
reverse polarity

Temperature range:

-40...+75°C

Weight:

about 350g

Mounting rule:

cooling plate 8dm² (aluminium
sheet 1.5mm thickness) or on
chassis frame

Order Info:

LA 12-2EK

Installation - Manual



Resistor replacement load for LEDs **LED-ADAPT**
Type **LA 12-2EK**

Requirements:

1. **LED-ADAPT LA 12-2EK** is suitable for the connection ahead of LED lamps and simulates an incandescent lamp load within a 12 volt system.



IMPORTANT: The direction lights may not have load resistors and it is not allowed to connect bulbs (incandescent lamps) on the output. The maximum output current is rated at 0.8A.

2. The mounting location may not be exposed to extreme splash water (influence of de-icing salt)
3. The mounting surface must be a metal base of minimum 8dm² (at aluminium 1,5mm thickness) and must have a good circulation of air. The chassis frame and metal boards are suitable for mounting if the mounting holes cause no improper weakening.
4. All connections must be made with care. Distribution boxes must be waterproof.

Mounting:

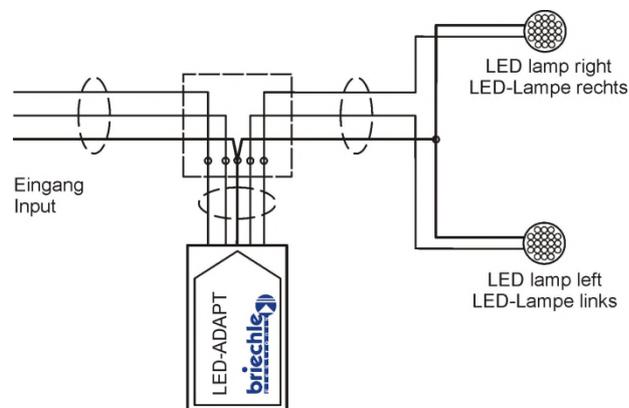
1. Disconnect vehicle power supply.
2. Mount **LED-ADAPT** with the provided or appropriate screws.
3. Confect connections: Connect input and output wires according to the following scheme:

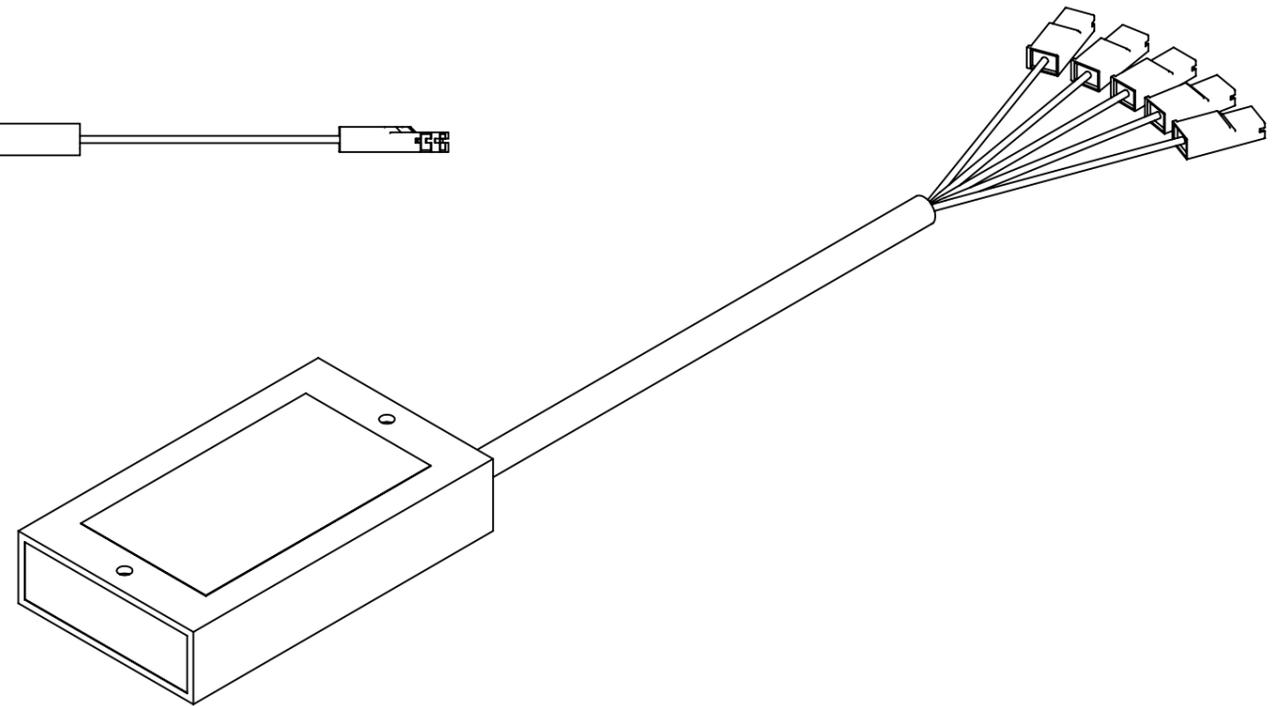
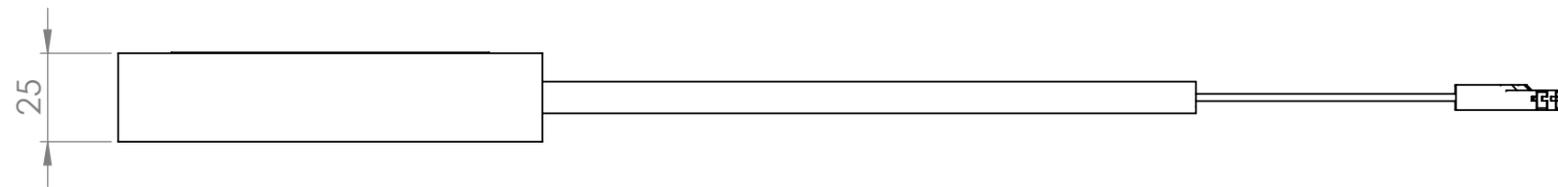
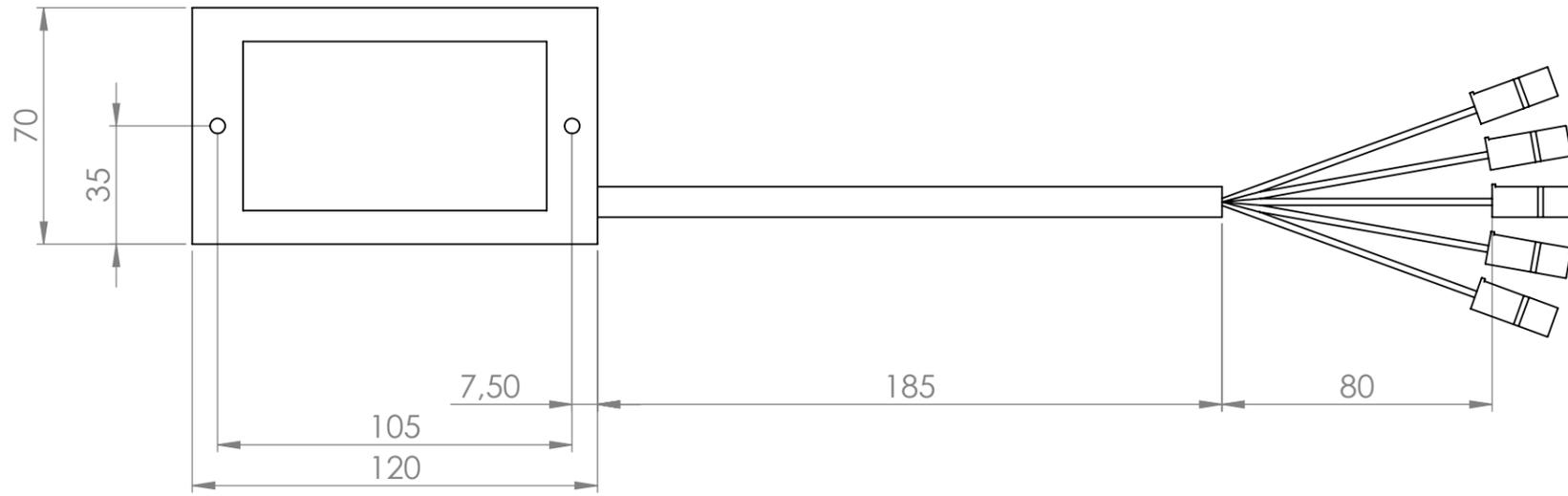
		pin description		colour		diameter
		Masse	ground		weiß / white	1mm ²
Eingang Input	Fahrtrichtung links	indicator left		grau / grey		
	Fahrtrichtung rechts	indicator right		lila / violet		
Ausgang Output	Fahrtrichtung links	indicator left		gelb / yellow		
	Fahrtrichtung rechts	indicator right		grün / green		

4. Check correct function of the rear lamps.

Malfunctions:

In case of failure of a connected LED lamp the LA 12-2EK will turn off the replacement resistor to indicate the malfunction to the vehicle's control unit. Also an overheating of the LA 12-2EK will be indicated in the same way. Only affected channels will be turned off, all other outputs continue operation.





Wenn nicht anders definiert: Bemaßungen sind in mm
Toleranzen: Allgemeintoleranzen DIN ISO 2768 - m

				Datum	Name	Maßstab:1:2
				erst.	06.02.2017	Ei
				gepr.	06.02.2017	Br
						Zeichnungsbeschreibung:
						Maßzeichnung
						Projektbezeichnung:
						LAXX-2EK
						BLATT 1 VON 1 A3
Zust.	Änderung	Datum	Name	Dateiname: LAXX-2EK_MZ_00		