DMEV lighting strips

This manual gives you general information on the connections of DMEV strips.

Compatibility

This information specific to each reference is indicated in the product page.

Special recommendations

Read the instructions carefully before starting to install a DMEV strip.

The nomenclature of the pads

The pads have the same name on all DMEV strips.

Connecting the rails.

TRA-L1 left power supply end 1
TRA-R1 right power supply end 1
TRA-L2 left power supply end 2
TRA-R2 right power supply end 2

Connecting the end of convoy lights.

- FR1 – of LED 1
+ FR1 + of LED 1
- FR2 – of LED 2
+ FR2 + of LED 2
RFR resistance of the LEDs

Dedicated notices may be available for each reference.

How to wire the DMEV strips

There are several ways to wire the strips

- 1 power supply per car by installing contact strips on each car.

For this assembly, you must install the contact strips on the bogies and connect them to a pad with an L at one end and a pad with an R at the other end. If you connect two L or two R you will have a short circuit on the power supply.

- 1 power supply on 1 car and the installation of a train line.

For this assembly, on the car that will power the train you must install the contact strips on the bogies and connect them to a pad with an L at one end and a pad with an R at the other end. Then the connecting wires between the cars are connected to the L and R pads, the size of the tracks on the printed circuit have been sized to power about ten cars so no need to install wires between the two ends in the cars.

How to wire the LEDs for the end of convoy lights

Connect the LEDs to the FR pads and install a resistor on the RFR location.
Be careful, the supply voltage for these LEDs is 5 Volts, so calculate the resistance according to this voltage.

How to adjust the intensity of the LEDs

You can adjust the light intensity of the LEDs using the RT potentiometer.
Turn the potentiometer gently using a flat precision screwdriver or a potentiometer screwdriver to the right to increase or to the left to decrease the light intensity of the LEDs

Enjoy your installation.

Don't hesitate to publish your creations on FaceBook and Instagram with @Distrimodel #lightingstrip #eclairage