



Connecting Technologies

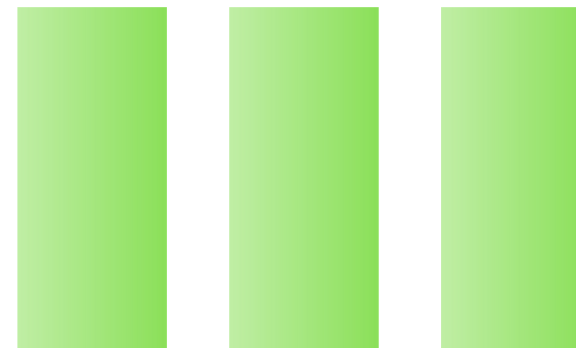


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MUS-03

TRAILER LIGHTS CONTROL MODULE



DEVICE APPLICATION

The **MUS-03** module is designed to control over lights and lighting equipment of trailers or semi-trailers using the signal coming from the tractor switches of clearance lamps and direction-indicator lamps.

Key feature:

One set of lamps of the trailer (semi-trailer) can operate in three modes: clearance lights, turn signals, emergency stop signals.

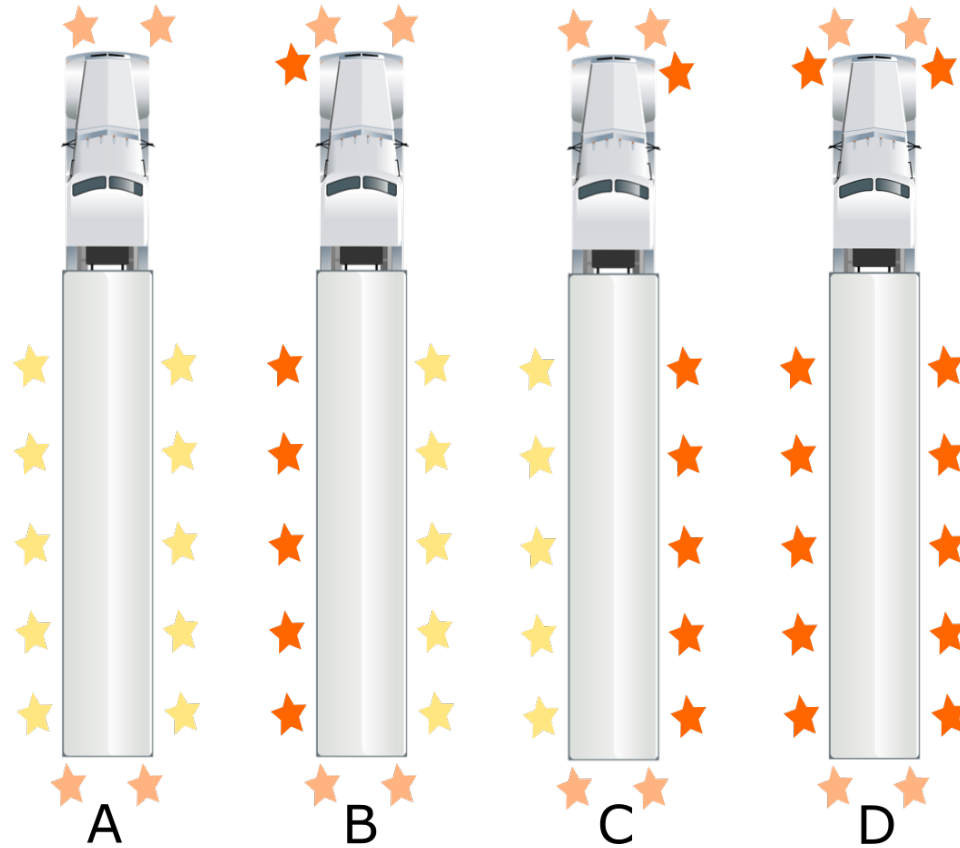


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PRINCIPLE OF OPERATION

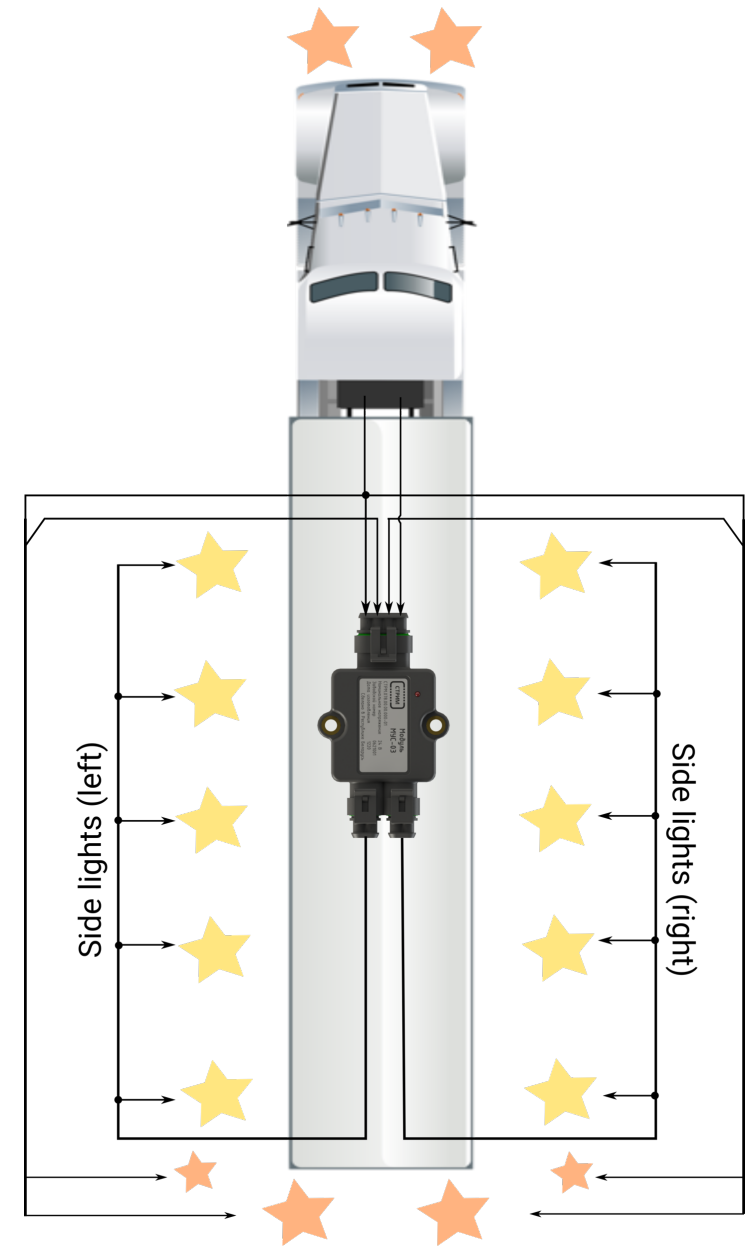
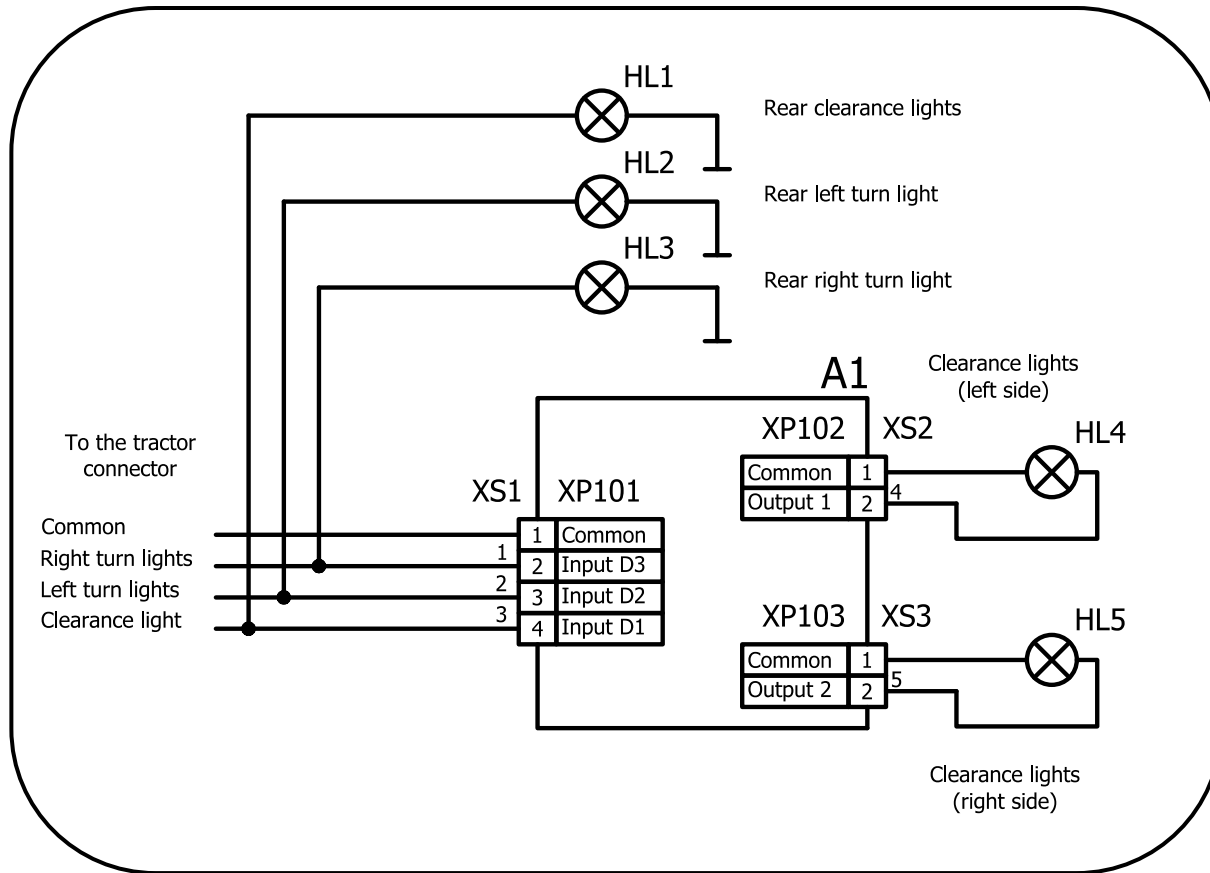
- When the clearance lamps on the tractor are turned on, the signal goes to the control module MUS-03, which activates the side clearance lamps of the trailer (semi-trailer).
- When a turn indicator (for instance, the left one) is activated, the MUS-03 switches the side lights on the left to the turn signal mode.
- When the tractor's emergency stop button is pressed, the module switches the side lights in emergency mode.

Modes of operation



- A – Activation of the clearance lights;
- B – Switching the left turn signal when clearance lights are enabled;
- C – Switching the right turn signal when clearance lights are enabled;
- D – Activation of the emergency stop signals when clearance lights are enabled.

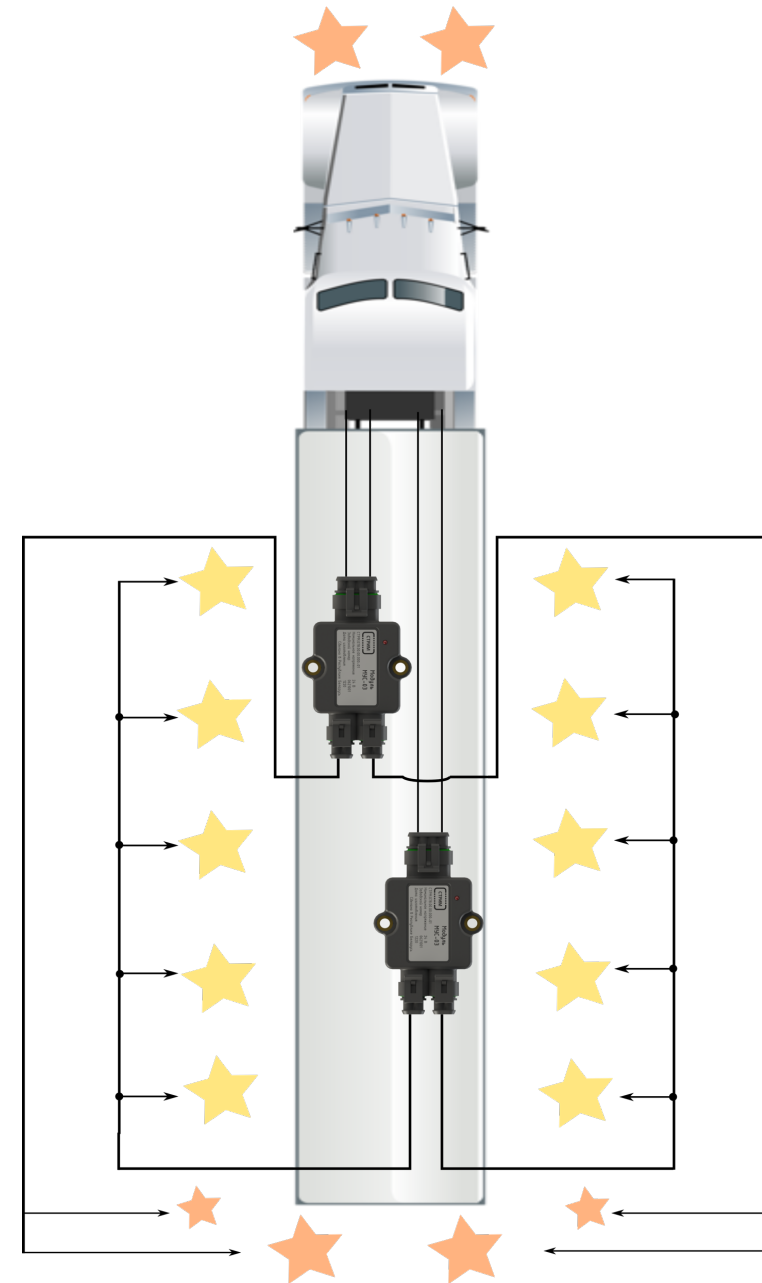
CIRCUIT CONNECTOR



ADVANCED FUNCTIONALITY

The MUS-03 modules can be modified according to customer requirements. In particular, several units can be combined into a group to control:

- on-board lights of trailers/semi-trailers;
- stop lights;
- clearance lights;
- fog lights;
- other lighting equipment of trailers and semi-trailers.



SPECIFICATIONS AND DIMENSIONS

Protection degree	IP67
Supply voltage range	18...32 V
Max load current	1,5 A
Operating temperatures	-40...+60 °C

