

Extended Module EM-LIN

The extended module EM-LIN is a LIN-Master designed to allow an on-line adjustment of the alternator regulator parameters e.g. alternator voltage, load response time, cut-off speed and current limitation.

The EM-LIN is designed with a microcontroller in combination with a LIN and a CAN transceiver. The electronics power supply is managed by a voltage regulator. In addition, an analog input is accessible on one connector. Its robust aluminum housing provides an effective protection for the electronics.

Further functions (e.g. CAN function) and application specific software development is available on request.



Application	
Application	LIN Master
Compatible regulator type	Bosch LIN-regulator CR652
Operating temperature range	-20 ... 85 °C
Storage temperature range	-20 ... 85 °C

Mechanical Data	
Weight w/o wire	53 g
Size w/o wire	85 x 17.3 x 32 mm
Max. vibration	Vibration Profile 1 (see Appendix or www.bosch-motorsport.com)

Electrical Data	
Power supply	12 V
Max. power supply (1 min)	25 V

Application Hint	
Please ask for the compatibility with your Bosch regulator.	

Connectors and Wires	
Connector 1 (red)	
Connector	ASU 0-03-05PN-HE
Mating connector	ASU 6-03-05SN-HE
Pin 1	Us
Pin 2	Gnd
Pin 3	-
Pin 4	-
Pin 5	Config
Connector 2 (green)	
Connector	ASU 0-03-05SD-HE
Mating connector	ASU 6-03-05PD-HE
Pin 1	Us
Pin 2	Gnd
Pin 3	LIN
Please note: the EM-LIN must be powered by one connector only.	

Part Number	
Extended Module EM-LIN	F 02U V00 609-02

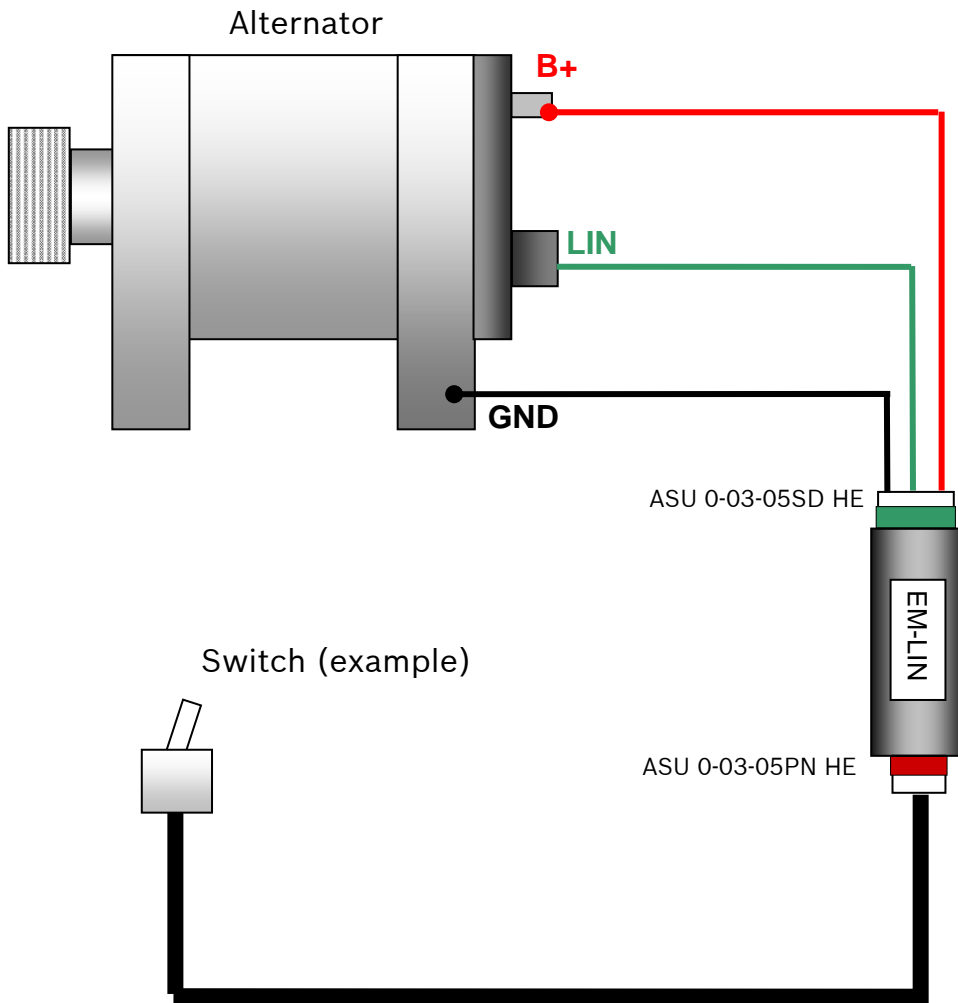


Illustration 1: Possible application to switch between two alternator voltage values

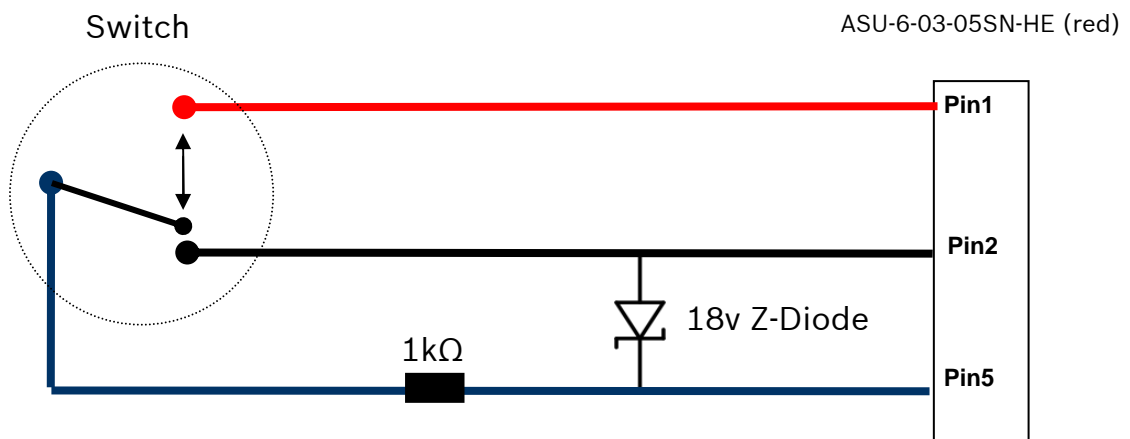


Illustration 2: Recommended switch design (example)

