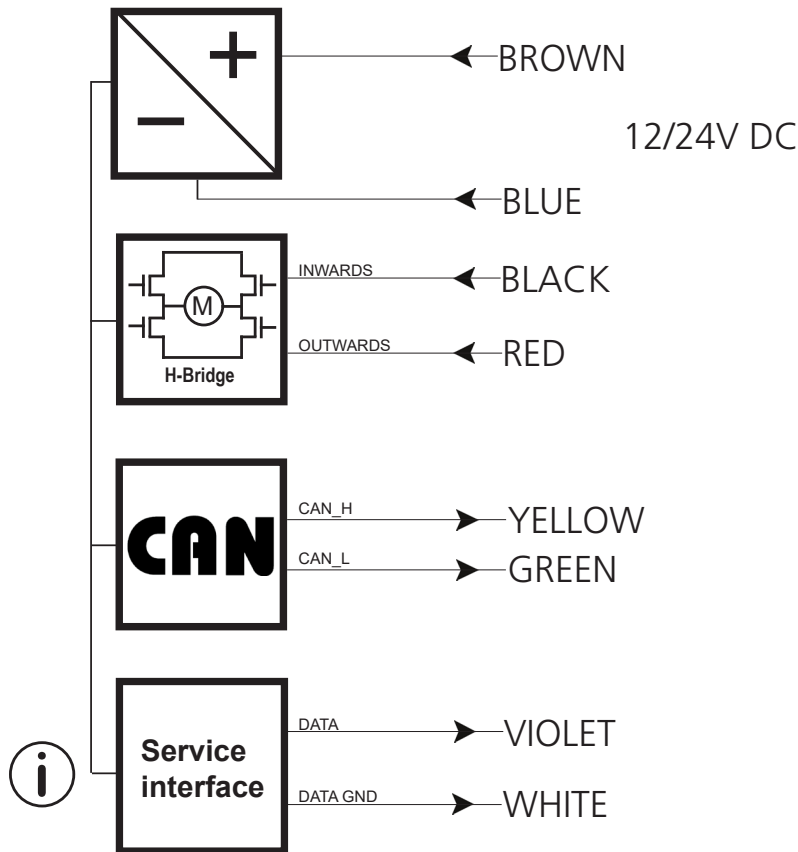


LA33 ACTUATOR

Actuator with CAN bus (SAE J1939)



Please be aware that if the power supply is not properly connected, you might damage the actuator!



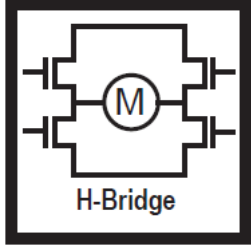
The BusLink software tool (v2.0 or later versions) is available for CAN bus and can be used for:

Diagnostics, manual run and configuration.

BusLink LIN is only intended for BusLink service interface.

For more information on how to install this product please see the [LA33 User Manual](#)

LA33 ACTUATOR - WITH CAN BUS

Input/Output	Specification	Comments
Description	Compatible with the SAE J1939 standard. Uses CAN messages to command movement, setting parameters and to deliver feedback from the actuator. Actuator identification is provided, using standard J1939 address claim or fixed addresses.	 <p>H-Bridge</p>
Brown	12-24VDC + (VCC) Connect Brown to positive 12V ± 20% 24V ± 10% 12V, current limit 15A 24V, current limit 10A	Note: Do not swap the power supply polarity on the brown and blue wires! Power supply GND (-) is electrically connected to the housing Current limit levels can be adjusted through BusLink
Blue	12-24VDC - (GND) Connect Blue to negative	If the temperature drops below 0°C, all current limits will automatically increase to 20A for 12V and 15A for 24V.
Red	Extends the actuator	On/off voltages: > 67% of V_{IN} = ON < 33% of V_{IN} = OFF
Black	Retracts the actuator	
Green	CAN_L	LA33 with CAN bus does not contain the 120Ω terminal resistor. The physical layer is in accordance with J1939-15.* Speed:Baudrate: 250 kbps Max bus length: 40 meters Max stub length: 3 meters Max node count: 10 (can be extended to 30 under certain circumstances) Wiring: Unshielded twisted pair Cable impedance: 120 Ω (±10%)
Yellow	CAN_H	
Violet	Service interface	Only BusLink can be used as service interface.
White	Service interface GND	Use green adapter cable

i Please note that the BusLink cables must be purchased separately from the actuator!

* J1939-15 refers to Twisted Pair and Shielded cables. The standard/default cables delivered with LA33 CAN do not comply with this.