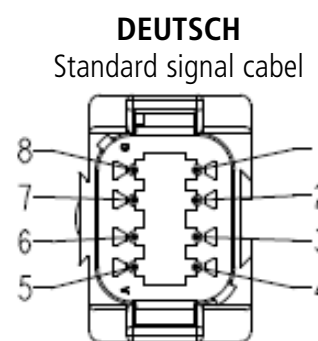
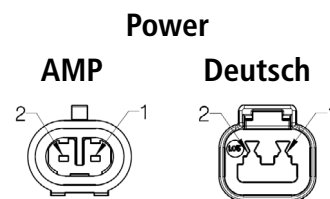
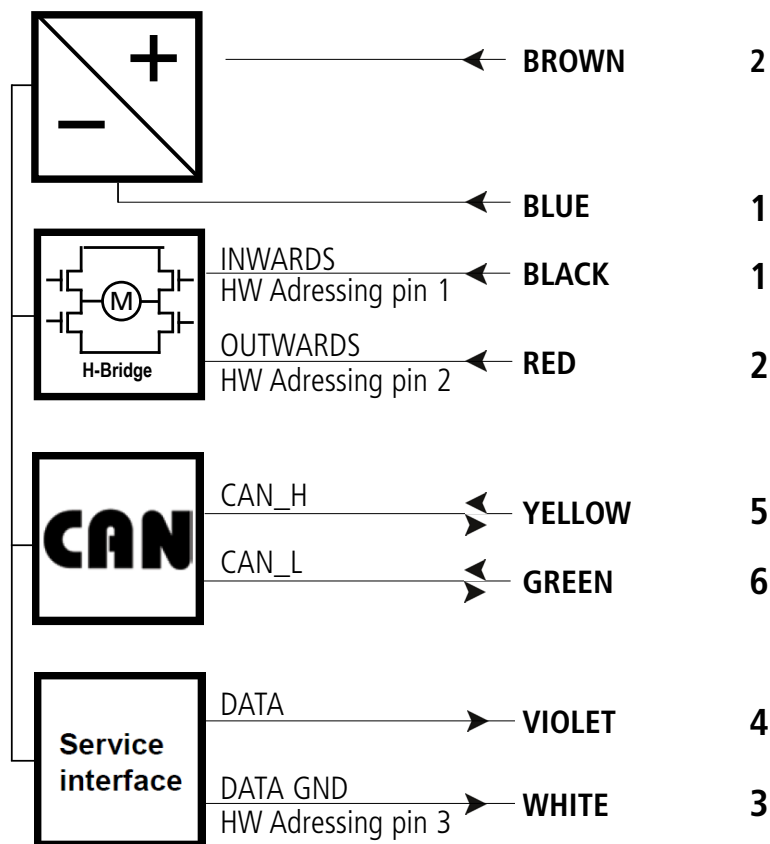




Actuator LA33
CANbus
Connection diagram

Connection diagram

33XXXXXXXX03XXX=XXXXX007XXXXX




The BusLink software tool is available for CANbus actuators and can be used for:
Diagnostics, manual run and configuration
The newest version is available online at LINA.K.COM/TECHLINE



Please note: The BusLink configuration cable must be purchased separately
Item number for BusLink cable kit: 0367997 (adapter + USB2Lin)

I/O Specifications

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.	
Brown	12-24 VDC + (VCC) Connect Brown to positive 12 V ± 20 % 24 V ± 10 % 12 V, current limit 15 A 24 V, current limit 10 A	<p>Note: Do not change 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. If the temperature drops below 0 °C, all current limits will automatically increase to: 20 A for 12 V 15 A for 24 V</p>
Blue	12-24 VDC - (GND) Connect Blue to negative	
Red	Extends the actuator	<p>The signal becomes active at: > 67% of V_{IN} The signal becomes inactive at: < 33% of V_{IN} Input current: 10 mA</p>
Black	Retracts the actuator	
Green	CAN_L	<p>LA33 with CANbus does not contain the 120 Ω terminal resistor. The physical layer is in accordance with J1939-15.* Speed: Autobaud up to 500 kbps (CANbus prior to version 3.0 up to 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 %)</p>
Yellow	CAN_H	
Violet	Service interface	<p>Only BusLink can be used as service interface. Use green adapter cable</p>
White	Service interface GND	



* J1939-15 refers to Twisted Pair and Shielded cables.

The standard/default cables delivered with LA33 CAN do not comply with this.

BusLink cables must be purchased separately from the actuator!

Find more information about the CANbus actuators in the CANbus user manual

The newest version is available online at [LINAK.COM/TECHLINE](https://www.linak.com/TECHLINE)

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