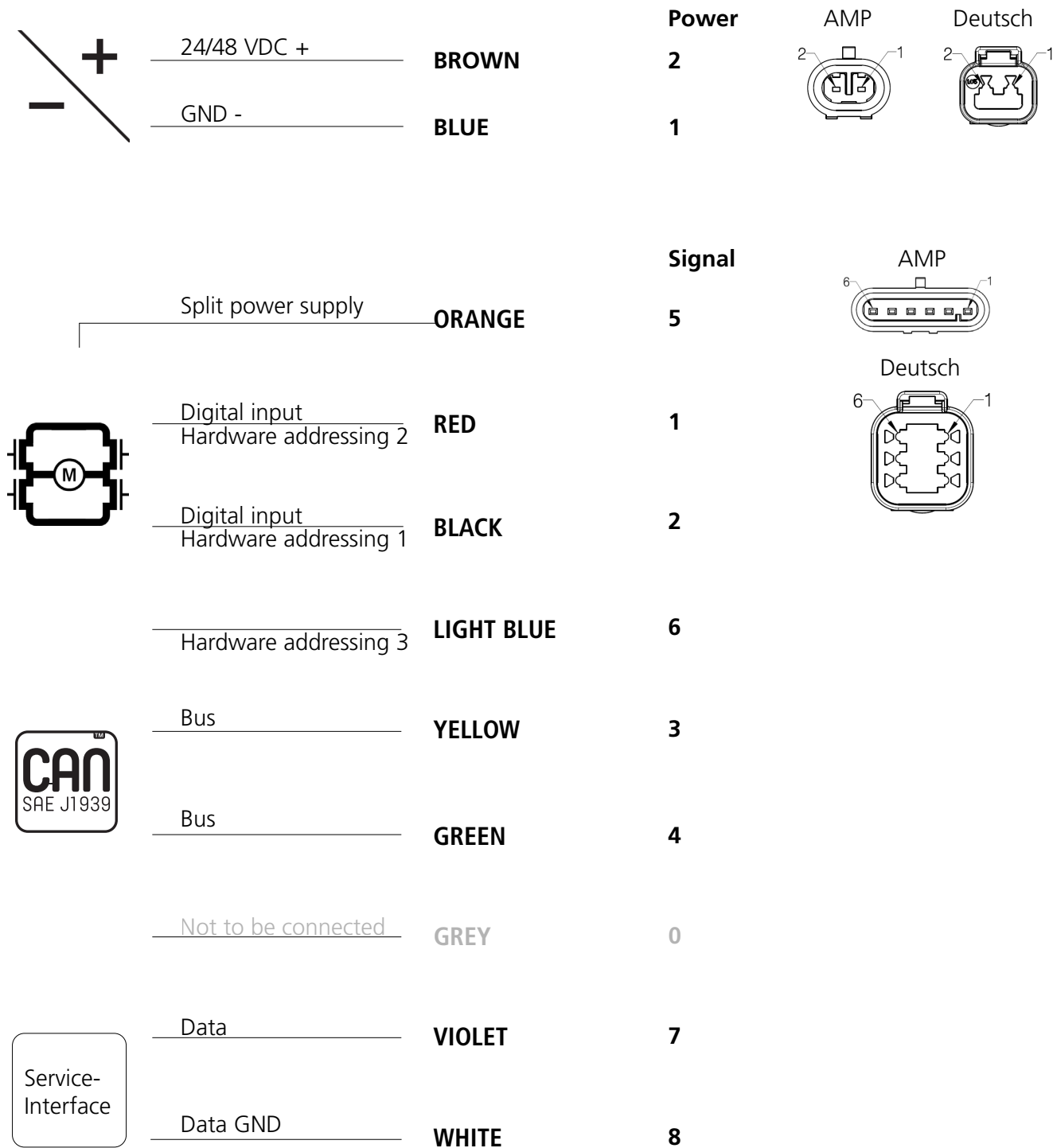


Actuator LA36
CAN bus J1939 0-point
- With Hardware Addressing and Split Supply
Connection diagram



Connection diagram

36XXXXXXXX17XX-XXXXXXXXXXXX0



The BusLink software tool is available for CAN bus actuators and can be used for:

Diagnostics, manual run and configuration


The newest version is available online at LINA.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 Connect to positive	12 VDC, current limit 30 A 24 VDC, current limit 20 A 48 VDC, current limit 8 A				Note: Do not swap the power supply polarity on the brown and blue wires! The PCB is coupled to the housing through a capacitor. Current limit levels can be adjusted through Actuator Connect®. If the temperature drops below 0 °C, all current limits will automatically increase with a factor 2.	
	Vsup	Vmin	Vmax			
	12 V	10,5 V	16 V	Motor running		
		6 V	16 V	Motor not running CAN communication possible		
	24 V	18 V	32 V	Motor running		
		10 V	32 V	Motor not running CAN communication possible		
	48 V	34 V	58 V	Motor running		
24 V		60 V	Motor not running CAN communication possible			
Blue Connect to negative	- (GND)					
Red	Extends the actuator/ Hardware addressing (2)					
Black	Retracts the actuator/ Hardware addressing (1) The signal becomes active at: $> 67\%$ of V_{IN} The signal becomes inactive at: $< 33\%$ of V_{IN} Input current: 10 mA				Manual run If not connected to VCC at startup:	HW addressing When used for Hardware addressing connect to VCC or negative (GND)



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

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

Input/Output	Specification	Comments
Green	Can_L	Actuators with CAN bus does not contain the 120 Ω terminal resistor. The physical layer is in accordance with J1939-15.* Speed: Autobaud up to 500 kbps (CAN bus prior to version 3.0 up to 250 kbps)
Yellow	Can_H	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 %)
Orange	Split supply: 24VDC with ≈28mA current consumption 48VDC with ≈16mA current consumption Connect to positive. The split supply uses the common GND from the power supply	Split supply is for operational power only.
Light Blue	HW addressing (3)	When used for Hardware addressing connect to VCC or negative (GND)
Violet	Service interface	Only Actuator Connect® can be used as service interface.
White	Service interface GND	Use grey adapter cable

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