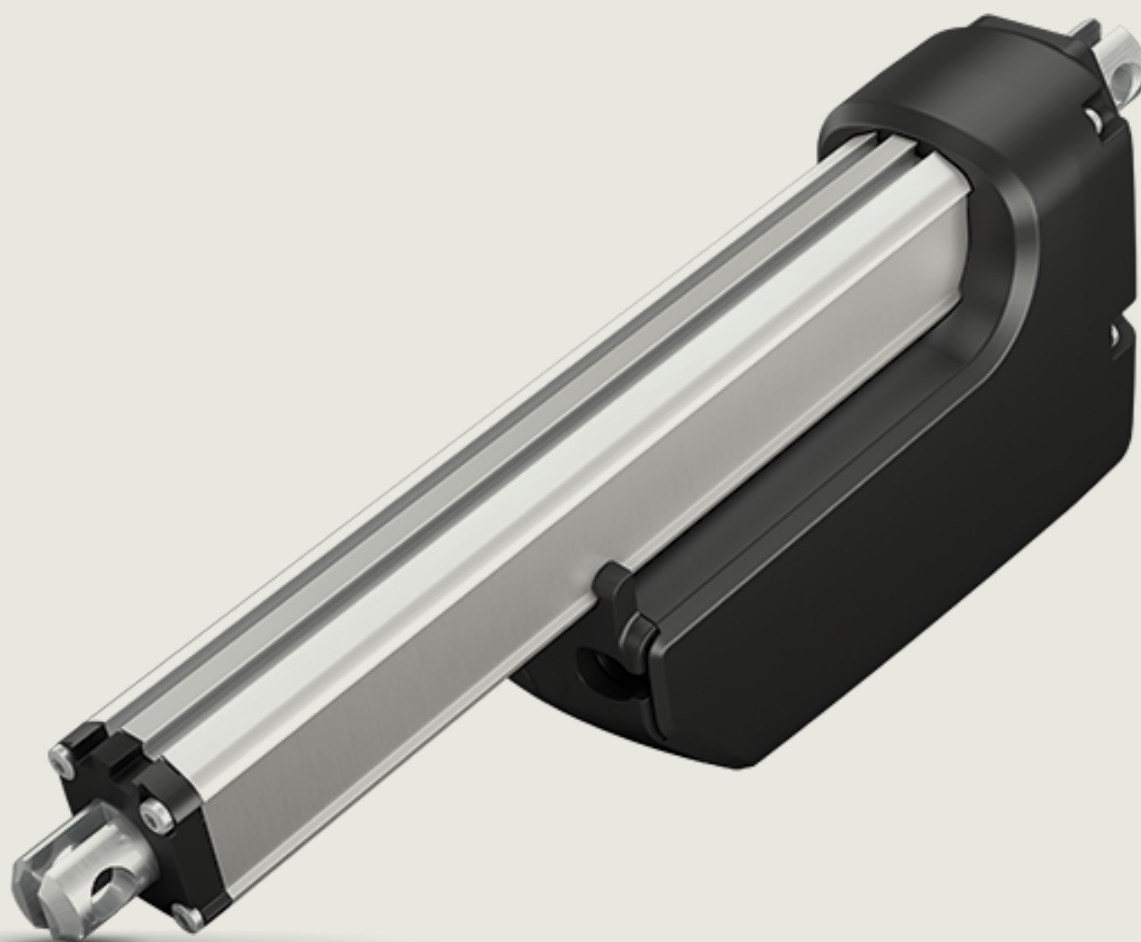
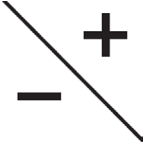
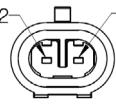

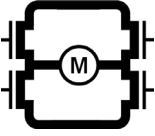
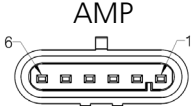
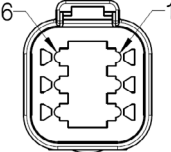




Actuator LA33
With CANopen
Connection diagram



Connection diagram

33XXXXXXXXX003XXX=XXXXXX08XXXXXX

				Power		AMP		Deutsch	
	24/48 V DC +	BROWN		2					
	GND -	BLUE		1					
				Signal					
	Digital input	RED		2					
	Digital input	BLACK		1					
	Bus	YELLOW		5					
	Bus	GREEN		6					
	Data	VIOLET		4					
	Data GND	WHITE		3					



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




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 [LINAK.COM/TECHLINE](https://www.linak.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 CiA 301 standard. Using CANopen messages to command movement, setting parameters and to deliver feedback from the actuator. Actuator identification is provided, using standard CiA 301 address claim or fixed addresses	
Brown -Connect to positive	12 - 24 V DC + (VCC) 12 V \pm 20 % 24 V \pm 10 % 12 V, max. 13 A - current cut off at 15 A 24 V, max. 9 A - current cut off at 10 A	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
Blue -Connect to negative	12-24 V DC - (GND)	If the temperature drops below 0 °C, all current limits will automatically increase to 20 A for 12 V and 15 A for 24 V
Red	Extends the actuator	The signal becomes active at: > 67% of V_{IN}
Black	Retracts the actuator	The signal becomes inactive at: < 33% of V_{IN} Input current: 10 mA
Green	CAN_L	CANopen assumes a physical layer according to ISO 11898-2. Speed: Autobaud up to 250 kbps (Prototypes: 125 kbps)
Yellow	CAN_H	Max. bus length at 125 kbps: 500 m Max. bus length at 250 kbps: 250 m Max. bus length at 500 kbps: 100 m Max. stub length at 125 kbps: 22 m Max. stub length at 250 kbps: 11 m Max. stub length at 500 kbps: 5,5 m Max. node count: 127 Wiring: Unshielded twisted pair Cable impedance: 120 Ω (\pm 10%)
Violet	Service interface	Only BusLink can be used as service interface. Use the Green adapter cable
White	Service interface GND	

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