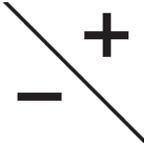
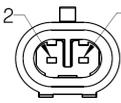
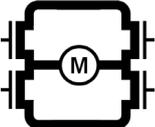
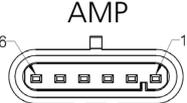
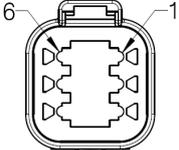
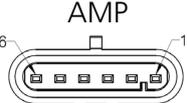
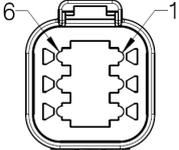


Actuator LA36 With CANopen **Connection diagram**



Connection diagram

36XXXXXXXXX08XX-XXXXXXXXXXXXX0

	12/24/48 VDC +	BROWN	Power	2	 
	GND -	BLUE		1	
	Digital input	RED	Signal	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://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 VDC \pm 20 %, current limit 30 A 24 VDC \pm 10 %, current limit 20 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 VDC - (GND)	If the temperature drops below 0 °C, all current limits will automatically increase to 230 A for 12 V and 25 A for 24 V
Red	Extends the actuator	The signal becomes active at: > 67% of V_{IN} The signal becomes inactive at: < 33% of V_{IN} Input current: 10 mA
Black	Retracts the actuator	
Green	CAN_L	CANopen assumes a physical layer according to ISO 11898-2. Speed: Autobaud up to 250 kbps (Prototypes: 125 kbps) Max bus length @ 125 kbps: 500 m Max bus length @ 250 kbps: 250 m Max bus length @ 500 kbps: 100 m Max stub length @ 125 kbps: 22 m Max stub length @ 250 kbps: 11 m Max stub length @ 500 kbps: 5,5 m Max node count: 127 Wiring: Unshielded twisted pair Cable impedance: 120 Ω (\pm 10%)
Yellow	CAN_H	
Violet	Service interface	Only BusLink can be used as service interface. Use the green adapter cable
White	Service interface GND	

Terms of use

LINAK® takes great care in providing accurate and up-to-date information on its products. However, the user is responsible for determining the suitability of LINAK products for a specific application. Due to continual development, LINAK products are subject to frequent modifications and changes. LINAK reserves the rights to conduct modifications, updates, and changes without any prior notice. For the same reason, LINAK cannot guarantee the correctness and actual status of imprinted information on its products.

LINAK uses its best efforts to fulfil orders. However, for the reasons mentioned above, LINAK cannot guarantee availability of any particular product at any given time. LINAK reserves the right to discontinue the sale of any product displayed on its website or listed in its catalogues or in other written material created and produced by LINAK, LINAK subsidiaries, or LINAK affiliates. All sales are subject to the 'Standard Terms of Sale and Delivery for LINAK A/S' available on LINAK websites. LINAK and the LINAK logotype are registered trademarks of LINAK A/S. All rights reserved.