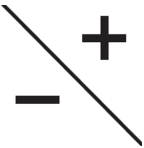
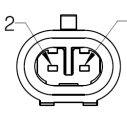

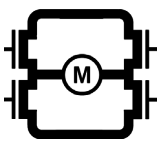
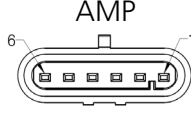
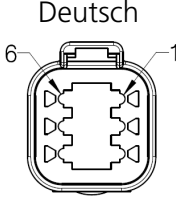




Actuator LA36  
With CANopen 0-point  
and Split Supply  
**Connection diagram**




## Connection diagram

36XXXXXXXXX18XX-XXXXXXXXXXXXX0

	24/48 VDC +	<b>BROWN</b>	<b>Power</b>	<b>2</b>  <b>1</b>	 
	GND -	<b>BLUE</b>			
	Split power supply	<b>ORANGE</b>	<b>Signal</b>	<b>5</b>  <b>1</b>  <b>2</b>	 
	Digital input	<b>RED</b>			
	Digital input	<b>BLACK</b>			
	<u>Not to be connected</u>	<b>LIGHT BLUE</b>		<b>6</b>	
	Bus	<b>YELLOW</b>	<b>3</b>	<b>4</b>	
	Bus	<b>GREEN</b>			
	<u>Not to be connected</u>	<b>GREY</b>		<b>0</b>	
	Data	<b>VIOLET</b>	<b>7</b>	<b>8</b>	
	Data GND	<b>WHITE</b>			

## 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 support LSS				
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)				
Orange	Split supply: 24 VDC with $\approx 28$ mA current consumption 48 VDC with $\approx 16$ mA current consumption Connect to positive. The split supply uses the common GND from the power supply	Split supply is for operational power only.			
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				
Light Blue	Not to be used	Not to be used			

Input/Output	Specification	Comments
Green	CAN_L	CANopen assumes a physical layer according to ISO 11898-2. Speed: Autobaud up to 500 kbps Max bus length @ 125 kbps: 500 meters Max bus length @ 250 kbps: 250 meters Max bus length @ 500 kbps: 100 meters Max stub length @ 125 kbps: 22 meters Max stub length @ 250 kbps: 11 meters Max stub length @ 500 kbps: 5,5 meters Max node count: 127 Wiring: Unshielded twisted pair
Yellow	CAN_H	
Violet	Service interface	Only Actuator Connect® can be used as service interface. Use grey adapter cable
White	Service interface GND	

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