TECHLINE
IMPROVING FLEXIBILITY

Actuator LA36/LA36 Long Life

I/O Customised & Full

Connection diagram

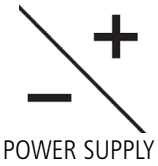
LINAK.COM/TECHLINE

LINAK®
WE IMPROVE YOUR LIFE

Connection diagram

I/O Customised or Full

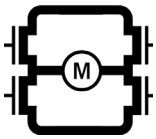
36XXXXXXXXC3XXX=XXXXXXXXXXXXXXX
F3



		Power	
24/48 VDC +	**BROWN**	**2**	
GND -	**BLUE**	**1**	

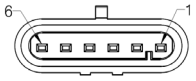
AMP

Deutsch



		Signal	
Digital input	**RED** Manual run Outwards	**1**	
Digital input	**BLACK** Manual run Inwards	**2**	

AMP



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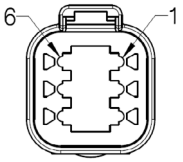
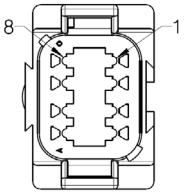
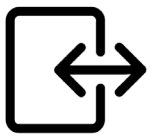


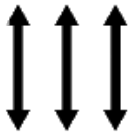
Digital output	**YELLOW** End stop reached outwards	**3**	
Digital output	**GREEN** End stop reached inwards	**4**	

Deutsch





Analog output + or Digital input	**ORANGE** Not used or customisable*	**5**	
Analog output - or Digital input	**LIGHT BLUE** Not used or customisable*	**6**	
Parallel	**PURPLE** Not used or customisable*	**7 (Alt 5)****	
Parallel GND	**WHITE** Not used or customisable*	**8 (Alt 6)****	



Bluetooth® Antenna	**GREY** Bluetooth® interface for PC tool	**0**	

Compliant with:

PLUS 1
Powered by Danfoss

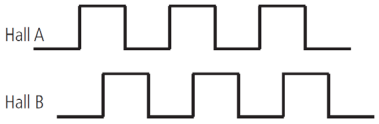
* Customisable: The I/O Full actuator is configured like an I/O Basic from factory, but with full access to all features. Connect the actuator to Actuator Connect™ via Bluetooth® or a USB adapter cable (must be purchased seperately), to enable and configure various features.

Please note: The I/O Customised actuator is configured based on customer needs - for detailed information about wire functionality, please see the auto-generated data sheet (type in J-number from product label).

** If input/output are not used and a 6-pin connector is chosen, the alternative pins are used.

I/O Specifications

Input / Output	Specification	Comments
Description	IC - I/O is a universal industrial interface developed by LINAK©. I/O is a common term used, to describe inputs and outputs As part of the IC (Integrated Controller) range, the IC - I/O interface it is offering a range of flexible digital and analog in- and outputs. It can be deployed through all industries.	
Brown	24-48 VDC + (VCC) Connect Brown to positive 24V, current limit 13 A 48V, 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 BusLink. If the temperature drops below 0 °C, all current limits will automatically increase with a factor 2.
Blue	- (GND) Connect Blue to negative	
Red	Extends the actuator features*: -Standard run (Default for Full version) -impulse run -Servo (+) -Proportional (+)	The signal becomes active at: ≥ 67% of V_{IN} = ON The signal becomes inactive at: ≤ 33% of V_{IN} = OFF Input current: 10 mA
Black	Retracts the actuator features*: -Standard run (Default for Full version) -impulse run -Servo (-) -Proportional (-)	

Yellow	Digital position output features*: - End stop reached (outwards) (Default for Full version) - End stop zone reached (outwards) - Actuator running - Constantly low - Constantly high - Single hall XOR - Dual hall (A)	Digital outputs: The digital outputs are either active high or active low, depending on the preferred signal type. - Output voltage min. VIN - 2 V - Source current max. 100 mA Single hall XOR: Dual hall: 
Green	Digital position output features*: - End stop reached (inwards) (Default for Full version) - End stop zone reached (inwards) - Actuator running - Constantly low - Constantly high - Single hall XOR - Dual hall (B)	
Orange	Analog output or Digital input feature*: -Analog feedback (+) -Predefined position 1 -Run condition	Customisable or not used (Default for Full version)
Light Blue	Analog output or Digital input features*: -Analog feedback (-) -Predefined position 2	Customisable or not used (Default for Full version)
Violet	Parallel communication*	Customisable or not used (Default for Full version) The Parrallel drive function will support up to 8 actuators running simultaneously. It is possible to run parallel with a main power supply or separate power supplies
White	Parallel common GND	Only to be connected to other Parallel GND and only in parallel systems
Grey	Antenna for Bluetooth®	The grey wire is used to strenghten the Bluetooth signal, allowing a stable wireless connection and has no functionality during operation.

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