



Actuator LA36/LA36 Long Life
I/O Basic
Connection diagram

Connection diagram

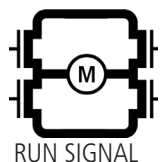
I/O Basic

36XXXXXXXXXA3XXX=XXXXXXXXXXXXXXXXXX



POWER SUPPLY

24/48 VDC + **BROWN**
GND - **BLUE**



RUN SIGNAL

Digital input **RED**
Manual run Outwards
Digital input **BLACK**
Manual run Inwards



OUTPUTS

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



INPUT/OUTPUT

Analog output +
or Digital input **ORANGE**
Not used
Analog output -
or Digital input **LIGHT BLUE**
Not used



PARALLEL

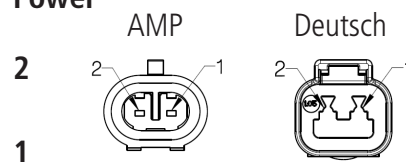
Parallel **PURPLE**
Not used
Parallel GND **WHITE**
Not used



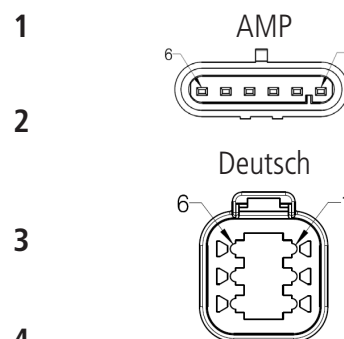
BLUETOOTH[®]

Bluetooth[®] Antenna **GREY**
Bluetooth[®] interface for PC tool

Power



Signal




Compliant with:



Not used*: The I/O Basic actuator can be upgraded to I/O Full, if more functionality is needed - even after purchase. Connect the actuator to Actuator Connect™ via Bluetooth[®] or a USB adapter cable (must be purchased separately), and request an unlock key from your local LINAK office.

I/O Specifications

Input/ Output	Specification	Comments
Description	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 I/O interface is offering a range of digital and analog in- and outputs. It can be deployed through all industries.	
Brown	24-48 VDC + (VCC) 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. 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 -Standard run	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 -Standard run	
Yellow	Digital position output - End stop reached (outwards)	Digital outputs: The digital output is active high - Output voltage min. $V_{IN} - 2 V$ - Source current max. 100 mA
Green	Digital position output - End stop reached (inwards)	
Orange	Not to be used	Actuator can be upgraded to Full version - wire is then used as either an analog output or digital input.
Light Blue	Not to be used	Actuator can be upgraded to Full version - wire is then used as either an analog output or digital input.
Purple	Not to be used	Actuator can be upgraded to Full version - wire is then used as parallel communication
White	Not to be used	Actuator can be upgraded to Full version - wire is then used as parallel common GND
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.



Find more information about the IC- I/O actuators in the IC- I/O user manual
The newest version is available online at LINAK.COM/TECHLINE

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