Connection diagram

36XXXX+25/26XXXXXXX
36XXXXXXXXF00XX-XXXXXXXXXXXXXXXXX
37XXXX+25/26XXXXXXX

*BROWN

BLUE

+ RED

YELLOW*

GREEN*

PWM

VIOLET

BLACK

*YELLOW/GREEN: Endstop signals out are NOT potential free

Tip: If you wish to use the endstop signals, you will have to keep power on the brown, blue, red and black wires, otherwise the signal will be lost.
## I/O Specifications

<table>
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<th>Input/Output</th>
<th>Specification</th>
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<tr>
<td><strong>Description</strong></td>
<td>The actuator can be equipped with electronic circuit that gives an analogue feedback signal when the actuator moves. See connection diagram, figure above</td>
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| **Brown** | 12, 24 or 36* VDC (+/-)  
*Only available on LA36  
12V ± 20%  
24V ± 10% | To extend actuator: Connect Brown to positive  
To retract actuator: Connect Brown to negative |
| **Blue** | 36V ± 10%  
Under normal conditions:  
12V, max. 26A depending on load  
24V, max. 13A depending on load | To extend actuator: Connect Blue to negative  
To retract actuator: Connect Blue to positive |
| **Red** | Signal power supply (+) 12-24VDC | Current consumption: Max. 60mA, also when the actuator is not running |
| **Black** | Signal power supply GND (-) | |
| **Green** | Endstop signal out | Output voltage min. \( V_{IN} - 2V \)  
Source current max. 100mA  
NOT potential free |
| **Yellow** | Endstop signal in | |
| **Violet** | Digital output feedback (PNP)  
10-90% (Option 5)  
20-80% (Option 6) | Output voltage min. \( V_{IN} - 2V \)  
Tolerances +/- 2%  
Max. current output: 12mA  
Frequency: 75Hz  
It is recommendable to have the actuator to activate its limit switches on a regular basis, to ensure more precise positioning |
| **White** | Not to be connected | |

*Note: *Only available on LA36.
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