Connection diagram

36xxxxxxxxxH00XX-xxxxxxxxxxxxxxxxxxxx
36xxxx+2Hxxxxxx
37xxxx+2Hxxxxxx

*VIOLET/WHITE: 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.

Diagram of Dual hall:
# I/O Specifications

<table>
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<tr>
<th>Input/Output</th>
<th>Specification</th>
<th>Comments</th>
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<tbody>
<tr>
<td><strong>Description</strong></td>
<td>The actuator can be equipped with Dual Hall that gives a relative positioning 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. 40mA, also when the actuator is not running |
| **Black** | Signal power supply GND (-) | |
| **Green** | Hall B  
Movement per single hall pulse:  
LA371C Actuator = 0.4 mm per pulse | The Hall sensor signals are generated by the turning of the actuator gearing.  
These signals can be fed into a PLC (Programmable Logic Controller). In the PLC the quadrature signals can be used to register the direction and position of the piston rod.  
Output voltage min. $V_{IN} - 2V$  
Current output 12mA  
Overvoltage on the motor can result in shorter pulses.  
N.B. For more precise measurements, please contact LINAK A/S. |
| **Yellow** | Hall A | |
| **Violet** | Endstop signal in  
Output voltage min. $V_{IN} - 2V$  
Source current max. 30mA  
NOT potential free | |
| **White** | Endstop signal out | |
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