Actuator LA36/LA37
Relative positioning - Dual hall
Connection diagram
Connection diagram

36XXXXXXH00XX-XXXXXXXXXXXXXXXXXXXX
36XXXX+0H/1HXXXXXX
37XXXX+1HXXXXXX

Diagram of Dual hall:

Hall A

Hall B
## I/O Specifications

<table>
<thead>
<tr>
<th>Input/Output</th>
<th>Specification</th>
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<tr>
<td>Description</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 | 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. VIN - 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 | Movement per single hall pulse:  
LA371C Actuator = 0.4 mm per pulse |
| Violet       | Not to be connected | |
| White        | Not to be connected | |
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