Actuator LA25
Endstop signals and absolute positioning - PWM
Connection diagram
Connection diagram

25XXXXXXXX0F0X0X=XXXXXXXX

*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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<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 electronic circuit that gives an analogue feedback signal when the actuator moves. See connection diagram, figure above</td>
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| Brown | 12-24VDC (+/-) | To extend actuator: Connect Brown to positive  
To retract actuator: Connect Brown to negative |
| | 12V ± 20%  
24V ± 10% | |
| Blue | Under normal conditions:  
12V, max. 5A depending on load  
24V, max. 2.5A 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 | 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% (Feedback level 4)  
20-80% (Feedback level 5)  
Special (Feedback level 9) | Output voltage min. $V_{IN} - 2V$  
Tolerances +/- 2%  
Max. current output: 12mA |
| White | Not to be connected | |

For actuators with analogue feedback it is recommended to fully extract and retract the actuator on a regular basis (thereby activating the limit switches) in order to ensure precise positioning.
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