Actuator LA25
Absolute positioning - Analogue feedback
Connection diagram
Connection diagram

25XXXXXXXXXX0A0X0X=XXXXXXXXX0XXXXXXXXX

BROWN
BLUE
RED
VIOLET
BLACK
# I/O Specifications

<table>
<thead>
<tr>
<th>Input/Output</th>
<th>Specification</th>
<th>Comments</th>
</tr>
</thead>
<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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</tbody>
</table>
| **Brown** | 12-24VDC (+/-) | To extend actuator: Connect Brown to positive  
12V ± 20%  
24V ± 10%  
To retract actuator: Connect Brown to negative |
| **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. 60mA, also when the actuator is not running |
| **Black** | Signal power supply GND (-) | |
| **Green** | Not to be connected | |
| **Yellow** | Not to be connected | |
| **Violet** | Analogue feedback  
0-10V (Feedback level 1)  
0.5-4.5V (Feedback level 2) | Tolerances +/- 0.2V  
Max. current output: 1mA  
Ripple max. 200mV  
Transaction delay 20ms  
Linear feedback 0.5%  
Source current max. 1mA |
| | 4-20mA (Feedback level 3)  
Special (Feedback level 9) | Tolerances +/- 0.2mA  
Transaction delay 20ms  
Linear feedback 0.5%  
Output: Source  
Serial resistance:  
12V max 300 ohm  
24V max. 900 ohm |
| **White** | Not to be connected | |

ℹ️ 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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