Actuator LA12
Absolute positioning mechanical potentiometer
Connection diagram
Connection diagram

12XPXX-XXXXXXX0

Please be aware that if the power supply is not properly connected, you might damage the actuator!
# I/O Specifications

<table>
<thead>
<tr>
<th>Input/Output</th>
<th>Specification</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>The actuator can be equipped with a mechanical potentiometer that gives an analogue feedback signal when the actuator moves</td>
<td><img src="image" alt="Signal" /></td>
</tr>
</tbody>
</table>
| RED          | 12 or 24VDC (+/-)  
12V ± 20%  
24V ± 10%  
Under normal conditions:  
12V, max. 5A depending on load  
24V, max. 2.5A depending on load | To extend actuator:  
Connect Red to positive  
To retract actuator:  
Connect Red to negative |
| Blue         | Signal power supply (+) 12-24VDC  
+10V or other value | To extend actuator:  
Connect Blue to negative  
To retract actuator:  
Connect Blue to positive |
| Green        | Signal power supply GND (-) | |
| Black        | Signal power supply GND (-) | |
| Yellow       | Potentiometer feedback  
Slide potentiometer, 10 kohm  
1 kohm = 0 mm stroke  
11 kohm = 100 mm stroke  
The maximum effect: 0.1W | Linearity: ± 20%  
Minimum lifetime: 15,000 cycles  
Average lifetime: 40,000 cycles  
Max. current output: 1mA |
| Violet       | Not to be connected | |
| White        | Not to be connected | |
| Brown        | Not to be connected | |
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