Actuator LA12
IC (no end stop signal out)
Connection diagram
Connection diagram

12XDXX-XXXXXXXX8

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>Easy to use interface with integrated power electronics (H-bridge). The actuator can also be equipped with electronic circuit that gives an absolute or relative feedback signal. The version with “IC option” cannot be operated with PWM (power supply).</td>
<td></td>
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</tbody>
</table>
| Brown        | 12-24VDC  
Connect Brown to positive (VDC)  
12V ± 20%  
24V ± 10%  
Under normal conditions:  
12V, max. 5A depending on load  
24V, max. 2.5A depending on load | Note: Do not change the power supply polarity on the brown and blue wires! |
| Blue         | 12-24VDC  
Connect Blue to negative (GND)  
12V ± 20%  
24V ± 10%  
Under normal conditions:  
12V, max. 5A depending on load  
24V, max. 2.5A depending on load | If the temperature drops below 0°C, all current limits will automatically increase to 11A |
| Red          | Extends the actuator | On/off voltages:  
> 67% of VIN = ON  
< 33% of VIN = OFF  
Input current: 10mA |
| Black        | Retracts the actuator | |
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