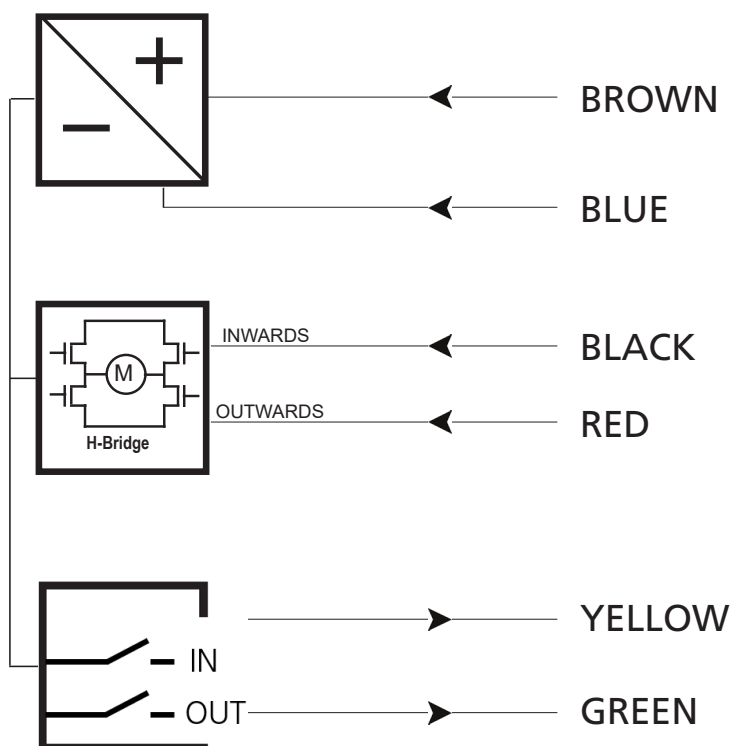




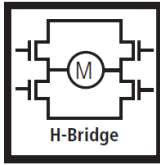
Actuator LA14
IC Basic
Connection diagram

Connection diagram

14XXXXXXXXXXXX3X1X=XX1XXXXXXXXX8X



I/O Specifications

Input/Output	Specification	Comments						
Description	<p>Easy to use interface with integrated power electronics (H-bridge).</p> <p>The version with "IC option" cannot be operated with PWM (power supply).</p> <p>See connection diagram, figure above</p>	 <p>H-Bridge</p>						
Brown	<p>12-24VDC + (VCC)</p> <p>Connect Brown to positive</p> <p>12V ± 20% max. 5A depending on load</p> <p>24V ± 10% max. 2.5A depending on load</p> <table border="0"> <tr> <td>Standard motor</td> <td>Fast motor</td> </tr> <tr> <td>12V, current limit 8A</td> <td>12V, current limit 8A</td> </tr> <tr> <td>24V, current limit 5A</td> <td>24V, current limit 5A</td> </tr> </table>	Standard motor	Fast motor	12V, current limit 8A	12V, current limit 8A	24V, current limit 5A	24V, current limit 5A	<p>Note:</p> <p>Do not change the power supply polarity on the brown and blue wires!</p> <p>Power supply GND (-) is electrically connected to the housing</p>
Standard motor	Fast motor							
12V, current limit 8A	12V, current limit 8A							
24V, current limit 5A	24V, current limit 5A							
Blue	<p>12-24VDC - (GND)</p> <p>Connect Blue to negative</p> <p>12V ± 20% max. 5A depending on load</p> <p>24V ± 10% max. 2.5A depending on load</p> <table border="0"> <tr> <td>Standard motor</td> <td>Fast motor</td> </tr> <tr> <td>12V, current limit 8A</td> <td>12V, current limit 8A</td> </tr> <tr> <td>24V, current limit 5A</td> <td>24V, current limit 5A</td> </tr> </table>	Standard motor	Fast motor	12V, current limit 8A	12V, current limit 8A	24V, current limit 5A	24V, current limit 5A	<p>If the temperature drops below 0°C, all current limits will automatically increase to 9A for both 12V and 24V</p>
Standard motor	Fast motor							
12V, current limit 8A	12V, current limit 8A							
24V, current limit 5A	24V, current limit 5A							
Red	Extends the actuator	<p>On/off voltages:</p> <p>> 67% of V_{IN} = ON</p> <p>< 33% of V_{IN} = OFF</p> <p>Input current: 10mA</p>						
Black	Retracts the actuator							
Green	Endstop signal out	<p>Output voltage min. V_{IN} - 2V</p> <p>Source current max. 100mA</p>						
Yellow	Endstop signal in	Endstop signals are NOT potential free.						
Violet	Not to be connected							
White	Not to be connected							



- Current cut-offs should not be used as stop function! This might damage the actuator. Current cut-offs should only be used in emergencies!
- Current cut-off limits are not proportional with the load curves of the actuator. This means that the current cut-offs cannot be used as load indicator.
- There are tolerances on the spindle, nut, gear wheels etc. and these tolerances will have an influence on the current consumption for the specific actuator.

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