

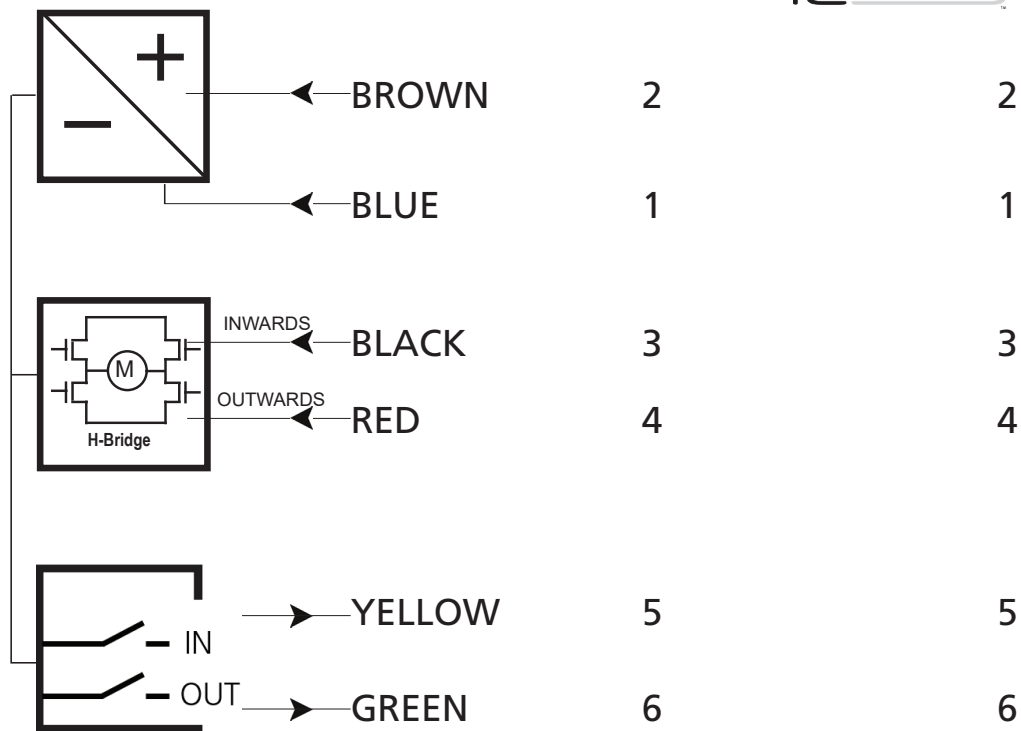


Actuator LA14
IC Basic
Connection diagram

Connection diagram

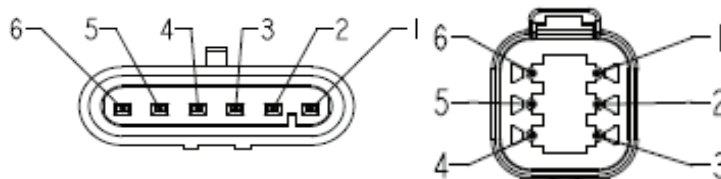
14XXXXXXXXXX3X1X=XX1XXXXXXXXX8X

Compliant with:

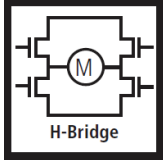


6P
AMP

6P
DEUTSCH



I/O Specifications

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

Terms of use

LINAK® takes great care in providing accurate and up-to-date information on its products. However, the user is responsible for determining the suitability of LINAK® products for a specific application.

Due to continuous development, LINAK products are subject to frequent modifications and changes. LINAK reserves the rights to conduct modifications, updates, and changes without any prior notice. For the same reason, LINAK cannot guarantee the correctness and actual status of imprinted information on its products.

LINAK uses its best efforts to fulfill orders. However, for the reasons mentioned above, LINAK cannot guarantee availability of any particular product at any given time. LINAK reserves the right to discontinue the sale of any product displayed on its website or listed in its catalogues or in other written material created and produced by LINAK, LINAK subsidiaries, or LINAK affiliates.

All sales are subject to the 'Standard Terms of Sale and Delivery for LINAK A/S'. Please contact LINAK for a copy.