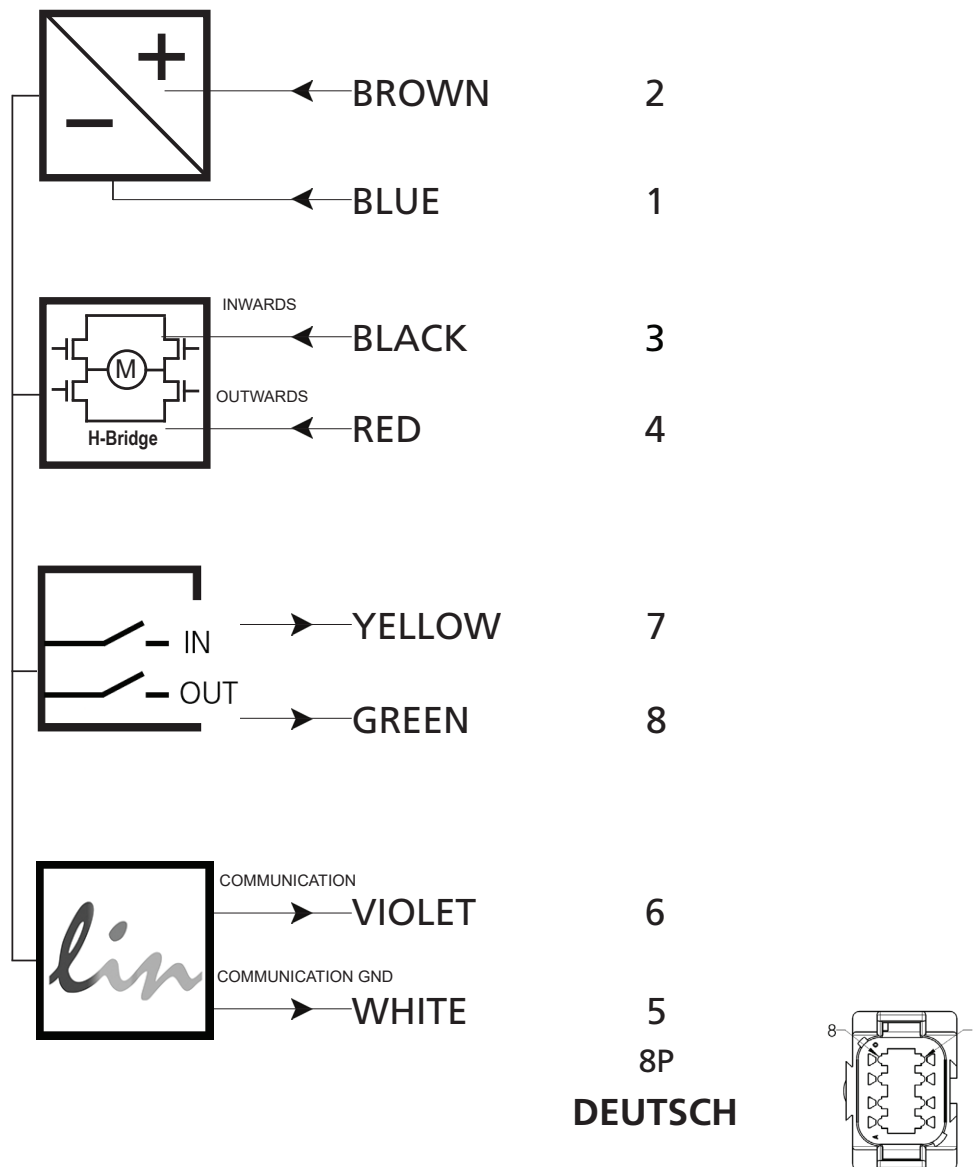




Actuator LA14
LIN Bus
Connection diagram

Connection diagram

14XXXXXXXXXXXX6X1X=XXXXXXXXXXXXXXXX



Please be aware that if the power supply is not properly connected, you might damage the actuator!



The BusLink software tool is available for LIN bus actuators and can be used for:


Diagnostics, manual run and configuration

The newest version is available online at LINAQ.COM/TECHLINE

Please note: The BusLink configuration cable must be purchased separately

Item number for BusLink cable kit: 0147996 (adapter + USB2Lin)

I/O Specifications

Input/Output	Specification	Comments
Description	<p>Each LINAK actuator with LIN bus interface, has the ability to act as LIN bus follower node in the LIN bus cluster.</p> <p>The LIN bus is able to provide feedback information about piston position including, if end stop is reached, error information. System identification data and actual current at runtime. It is also possible to send input commands to the system and invoke actuator movement based on direction.</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 12 V, current limit 8 A 24 V, current limit 5 A</p>	<p><u>Note:</u> 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>
Blue	<p>12-24 VDC - (GND) Connect Blue to negative 12 V ± 20% - max. 5 A depending on load 24 V ± 10% - max. 2.5 A depending on load 12 V, current limit 8 A 24 V, current limit 5 A</p>	<p>Current limit levels can be adjusted through BusLink If the temperature drops below 0°C, all current limits will automatically increase to 9 A for 12 V and 6 A for 24 V.</p>
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	Endstop signal extended	<p>Output voltage min. $V_{IN} - 2 V$ Source current max. 100 mA Endstop signals are NOT potential free. Endstop signals can be configured with BusLink software according to any position needed.</p>
Yellow	Endstop signal retracted	
Violet	LIN communication	<p>Used for LIN communication and as service interface. Only BusLink can be used as service interface. Use blue adapter cable (item no. 0147999)</p>
White	Communication GND	

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.

FOR MOUNTING INSTRUCTIONS AND GUIDANCE IN USAGE, PLEASE SEE THE RELEVANT USER MANUALS