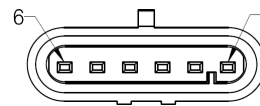


Actuator LA25  
IC Advanced with endstop signal  
*Connection diagram*

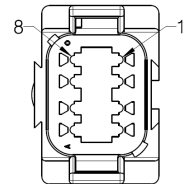
# Connection diagram

25XXXXXXXXXX3X1X=XXXXX0XXXXXXXX

IC INTEGRATED CONTROLLER



AMP  
6P



DEUTSCH  
8P



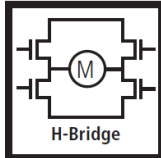
Please be aware that if the power supply is not properly connected, you might damage the actuator!



Configuration of IC Advanced is possible with the BusLink software for PC. The newest version is available online at [LINAK.COM/TECHLINE](http://LINAK.COM/TECHLINE)

Please note: The BusLink configuration cable must be purchased separately. Item number for BusLink cable kit: 0147999 (adapter + USB2Lin)

# I/O Specifications

Input/Output	Specification	Comments
Description	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).	 H-Bridge
Brown	12-24VDC + (VCC) Connect Brown to positive 12V ± 20% - max. 5A depending on load 24V ± 10% - max. 2.5A depending on load 12V, current limit 8A 24V, current limit 5A	Note: Do not change the power supply polarity on the brown and blue wires!  Power supply GND (-) is electrically connected to the housing
Blue	12-24VDC - (GND) Connect Blue to negative 12V ± 20% - max. 5A depending on load 24V ± 10% - max. 2.5A depending on load 12V, current limit 8A 24V, current limit 5A	Current limit levels can be adjusted through BusLink  If the temperature drops below 0°C, all current limits will automatically increase to 9A for 12V, and 6A for 24V
Red	Extends the actuator	On/off voltages: > 67% of $V_{IN}$ = ON < 33% of $V_{IN}$ = OFF Input current: 10mA
Black	Retracts the actuator	
Green	Endstop signal out	Output voltage min. $V_{IN} - 2V$ Source current max. 100mA Endstop signals are NOT potential free. Endstop signals can be configured with BusLink software according to any position needed. When configuring virtual endstop, it is not necessary to choose the position feedback. EOS and virtual endstop will work even when feedback is not chosen.
Yellow	Endstop signal in	
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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