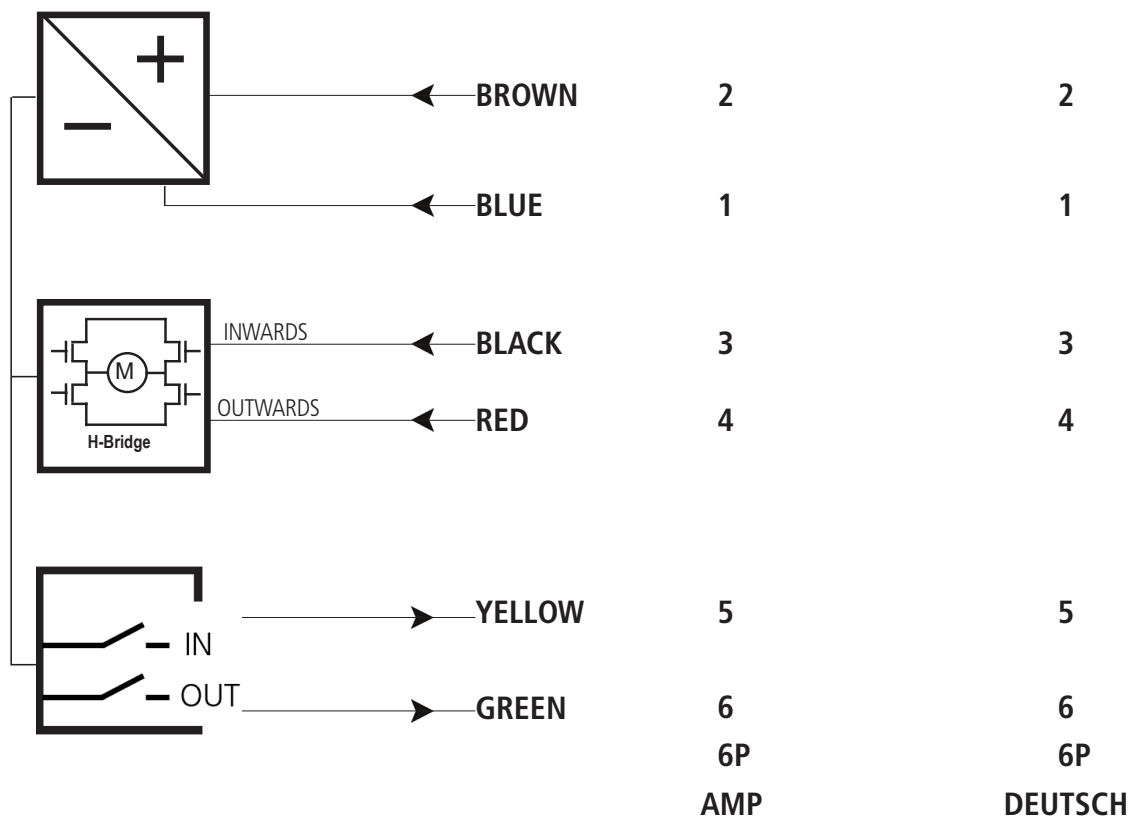




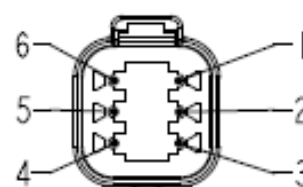
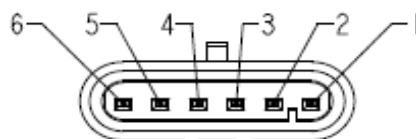
Actuator LA25
IC Basic
Connection diagram

Connection diagram

25XXXXXXXXXX3X1X=XXXXX18XXXXXX



Compliant with:

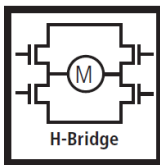


Standard connector front view



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

I/O Specifications

Input/Output	Specification	Comments
Description	Actuators with "IC" cannot be operated with PWM (power supply).	 <p>H-Bridge</p>
Brown	12-24 VDC + (VCC) Connect Brown to positive 12 V ± 20% - 5 A at max load 24 V ± 10% - 2.5 A at max load 12 V, current limit 8 A 24 V, current limit 5 A	Note: Do not change the power supply polarity on the brown and blue wires! Power supply GND (-) is electrically connected to the housing
Blue	12-24 VDC - (GND) Connect Blue to negative	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
Red	Extends the actuator	The signal becomes active at: > 67% of V_{IN} = ON The signal becomes inactive at: < 33% of V_{IN} = OFF Input current: 10 mA
Black	Retracts the actuator	
Green	Endstop signal out	Output voltage min. $V_{IN} - 2 V$ Source current max. 100 mA
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.
- Softstart/stop - It is not possible to configure softstart values between 0.01 sec. to 0.29 sec.. Be aware that the softstart/stop value equals the acceleration/deacceleration time after the start/stop command
- Speed change - Though possible it is not recommended to use values below 60%

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