

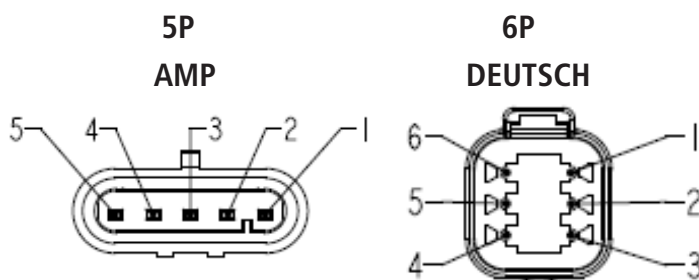
Actuator LA25  
**Absolute positioning - PWM**  
*Connection diagram*

# Connection diagram

25XXXXXXXXX0F0X0X=XXXXX0XXXXXXXX

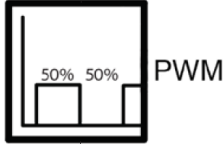


Compliant with:



Standard connector front view

# I/O Specifications

Input/Output	Specification	Comments
Description	The actuator gives a feedback which indicates the position of the actuator, using the Pulse Width Modulation Principle.	
Brown	12-24 VDC (+/-)  12 V ± 20% 24 V ± 10%	To extend actuator: Connect Brown to positive  To retract actuator: Connect Brown to negative
Blue	Under normal conditions: 12 V, 5 A at max load 24 V, 2.5 A at max load	To extend actuator: Connect Blue to negative  To retract actuator: Connect Blue to positive
Red	Signal power supply (+) 12-24 VDC	Current consumption: Max. 40 mA, also when the actuator is not running
Black	Signal power supply GND (-)	
Green	Not to be connected	
Yellow	Not to be connected	
Violet	Digital output feedback (PNP) 10-90% (Feedback level 4) 20-80% (Feedback level 5) Special (Feedback level 9)	Output voltage min. $V_{IN} - 2 V$ Tolerances +/- 2% Max. current output: 12 mA
White	Not to be connected	



For actuators with analogue feedback it is recommended to fully extract and retract the actuator on a regular basis (thereby activating the limit switches) in order to ensure precise positioning.

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