

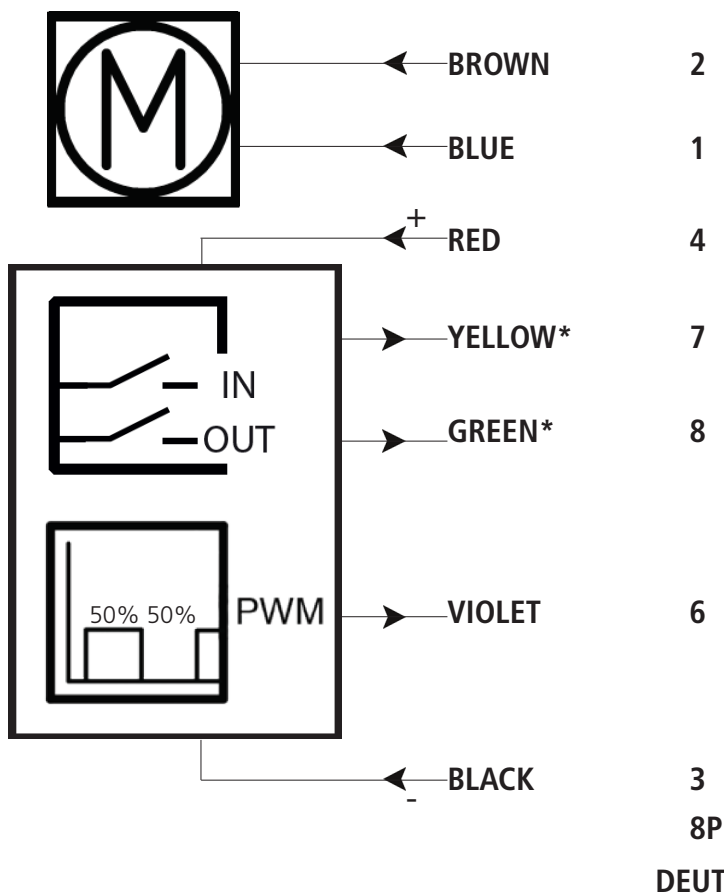
Actuator LA25

Endstop signals and absolute positioning - PWM

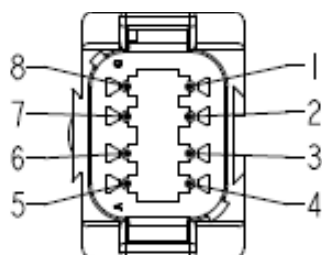
Connection diagram

Connection diagram

25XXXXXXXXX0F0X0X=XXXXX1XXXXXXXXX



Compliant with:



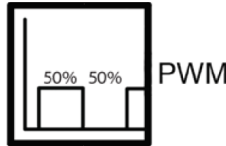
Standard connector front view

*YELLOW/GREEN: Endstop signals out are NOT potential free



Tip: If you wish to use the endstop signals, you will have to keep power on the red and black wires, otherwise the signal will be lost.

I/O Specifications

Input/Output	Specification	Comments
Description	<p>The actuator gives a feedback which indicates the position of the actuator, using the Pulse Width Modulation Principle.</p> <p>A signal is also provided when the actuator reaches its end stop position.</p>	
Brown	<p>12-24 VDC (+/-)</p> <p>12 V ± 20%</p> <p>24 V ± 10%</p>	<p>To extend actuator: Connect Brown to positive</p> <p>To retract actuator: Connect Brown to negative</p>
Blue	<p>Under normal conditions:</p> <p>12 V, 5 A at max load</p> <p>24 V, 2.5 A at max load</p>	<p>To extend actuator: Connect Blue to negative</p> <p>To retract actuator: Connect Blue to positive</p>
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	Endstop signal out	Output voltage min. $V_{IN} - 2\text{ V}$ Source current max. 100 mA
Yellow	Endstop signal in	NOT potential free
Violet	<p>Digital output feedback (PNP)</p> <p>10-90% (Feedback level 4)</p> <p>20-80% (Feedback level 5)</p> <p>Special (Feedback level 9)</p>	<p>Output voltage min. $V_{IN} - 2\text{ V}$</p> <p>Tolerances +/- 2%</p> <p>Max. current output: 12 mA</p>
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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