



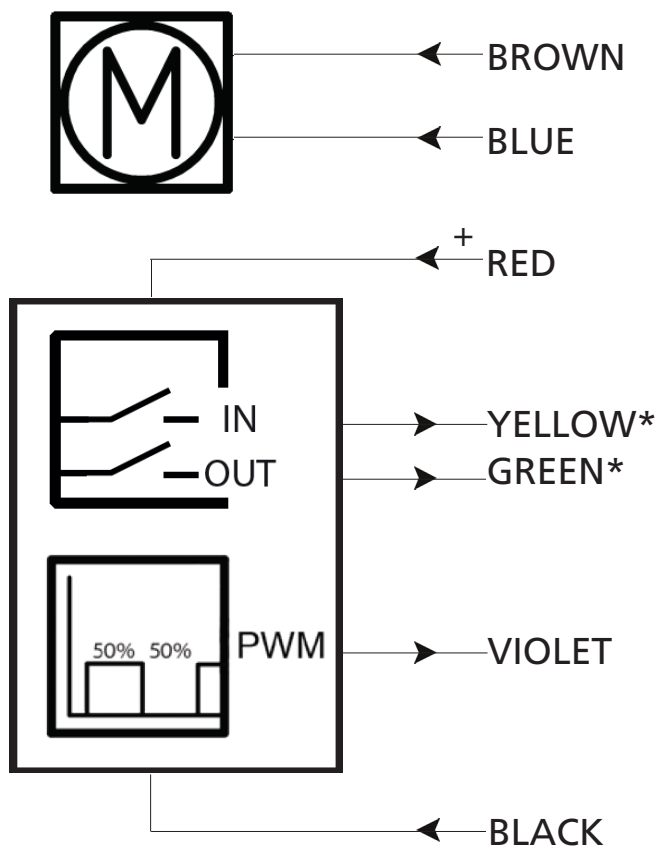
Actuator LA33

Endstop signals and absolute positioning - PWM

Connection diagram

Connection diagram

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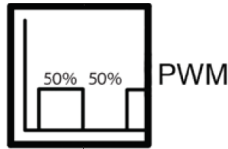


*YELLOW/GREEN: Endstop signals out are NOT potential free



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

I/O Specifications

Input/Output	Specification	Comments
Description	The actuator can be equipped with electronic circuit that gives an analogue feedback signal when the actuator moves. See connection diagram, figure above	 PWM
Brown	12 or 24VDC (+/-) 12V ± 20% 24V ± 10% Under normal conditions:	To extend actuator: Connect Brown to positive To retract actuator: Connect Brown to negative
Blue	12V, max. 13A depending on load 24V, max. 9A depending on load	To extend actuator: Connect Blue to negative To retract actuator: Connect Blue to positive
Red	Signal power supply (+) 12-24VDC	Current consumption: Max. 60mA, also when the actuator is not running
Black	Signal power supply GND (-)	
Green	Endstop signal out	Output voltage min. $V_{IN} - 2V$ Source current max. 100mA NOT potential free
Yellow	Endstop signal in	
Violet	Digital output feedback (PNP) 10-90% (Option 5) 20-80% (Option 6)	Output voltage min. $V_{IN} - 2V$ Tolerances +/- 2% Max. current output: 12mA Frequency: 75Hz
White	Not to be connected	



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

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