



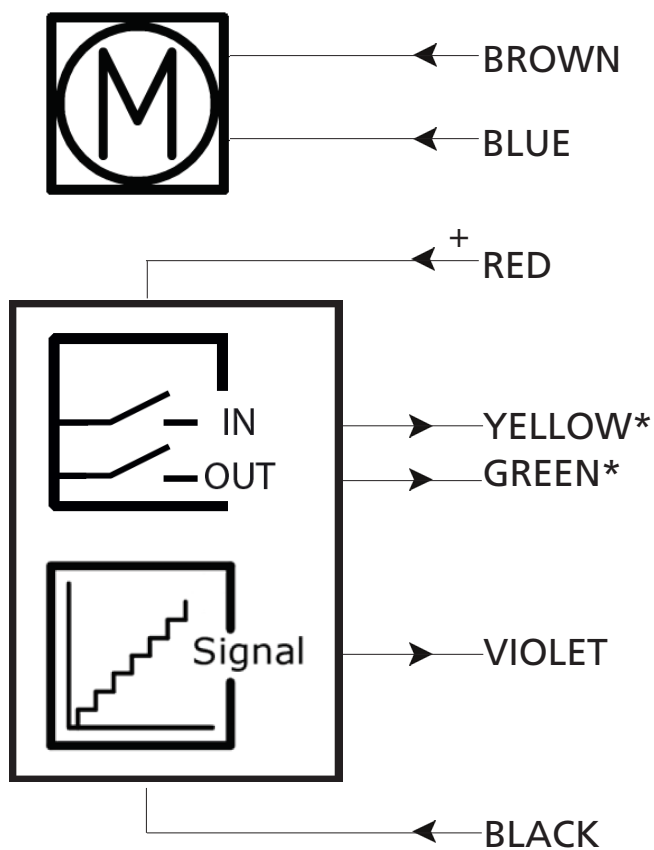
Actuator LA33

Endstop signals and absolute positioning - Analogue feedback

Connection diagram

Connection diagram

33XXXXXXXXX0AXXXX=XXXX1XXXXXXXXXX




*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	
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
Yellow	Endstop signal in	NOT potential free
Violet	Analogue feedback 4-20mA	Tolerances +/- 0.2mA Transaction delay 20ms Linear feedback 0.5% Output: Source Serial resistance: 12V max 300 ohm 24V max 900 ohm
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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