



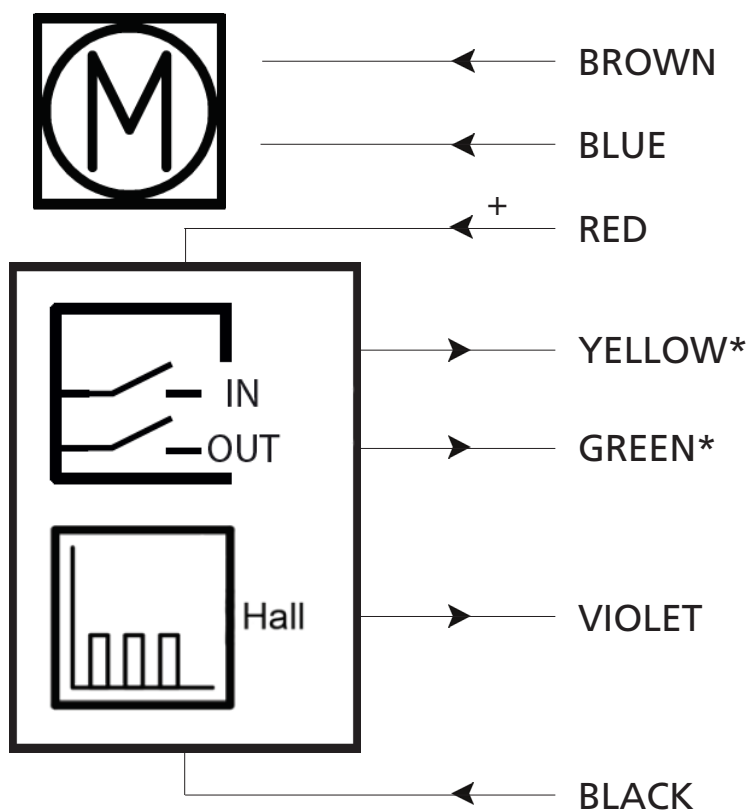
Actuator LA14

Endstop signals and relative positioning - Single hall

*Connection diagram*

# Connection diagram

14XXXXXXXXX0K0X0X=XX1XXXXXXXXX0X


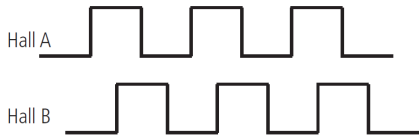



\*YELLOW/GREEN: Endstop signals out are NOT potential free (see specifications on next page)



**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 Single hall that gives a relative positioning feedback signal when the actuator moves. See connection diagram, figure above	
Brown	12 or 24 VDC (+/-)  12V ± 20% 24V ± 10%	To extend actuator: Connect Brown to positive  To retract actuator: Connect Brown to negative
Blue	Under normal conditions: 12V, max. 5 A depending on load 24V, max. 2,5 A 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. 40mA, 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	Single Hall output (PNP)  Movement per single Hall pulse: LA14020 Actuator = 0.2 mm per pulse LA14040 Actuator = 0.4 mm per pulse  Frequency: Frequency is 14-26 Hz on Single Hall output depending on load.	Output voltage min. $V_{IN} - 2V$ Max. current output: 12mA Max. 680nF N.B. For more precise measurements, please contact LINAK A/S. Low frequency with a high load. Higher frequency with no load.
	<p>Input:</p>  <p>Hall A</p> <p>Hall B</p> <p>Single hall output:</p>  <p>Micro - Processor</p>	
White	Not to be connected	

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