



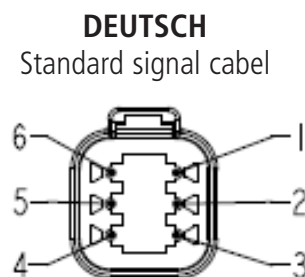
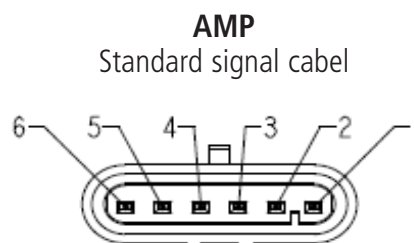
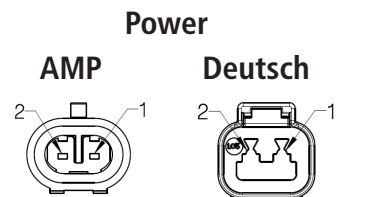
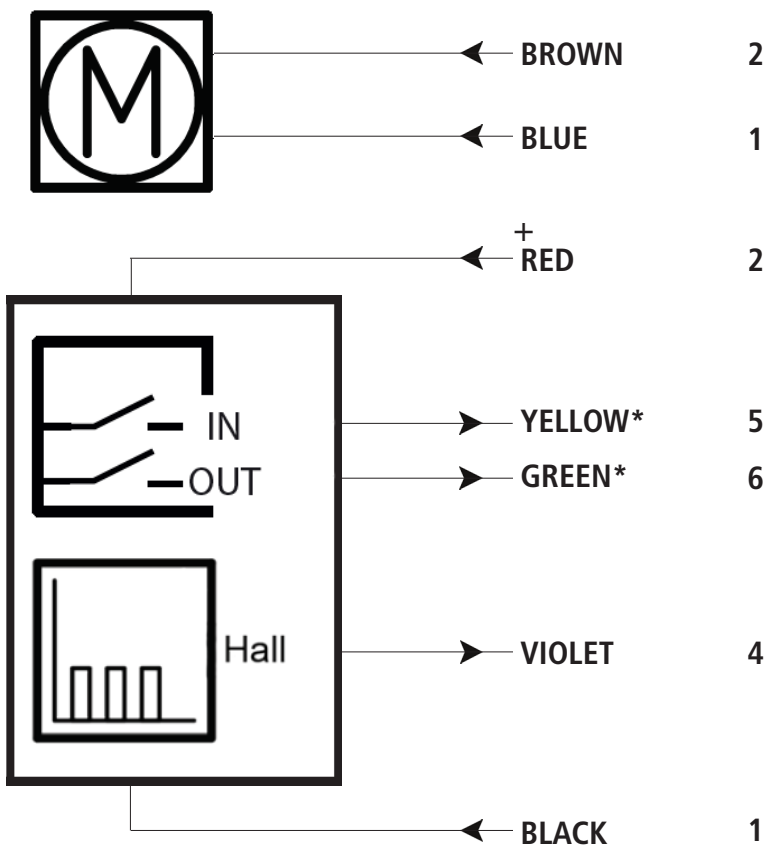
Actuator LA33

Endstop signals and relative positioning - Single hall

Connection diagram

Connection diagram


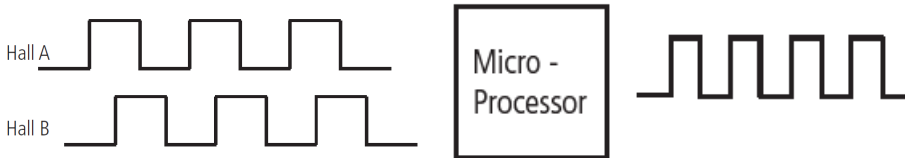
33XXXXXXXXX0KXXX=XXXX1XXXXXXXXX



*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.	
Brown	12 or 24 VDC (+/-) 12 V ± 20 % 24 V ± 10 % Under normal conditions:	To extend actuator: Connect Brown to positive To retract actuator: Connect Brown to negative
Blue	12 V, max. 13 A depending on load 24 V, max. 9 A depending on 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	Endstop signal out	Output voltage min. $V_{IN} - 2 V$ Source current max. 100 mA NOT potential free
Yellow	Endstop signal in	
Violet	Single Hall output (PNP) Movement per Single Hall pulse: 33090: Actuator = 0.3 mm per count 33150: Actuator = 0.5 mm per count 33200: Actuator = 1.1 mm per count Frequency: Frequency is up to 125 Hz on Single Hall output depending on load and spindle. Overvoltage on the motor can result in shorter pulses.	Output voltage min. $V_{IN} - 2 V$ Max. current output: 12 mA Max. 680 nF N.B. For more precise measurements, please contact LINAK A/S. Low frequency with a high load. Higher frequency with no load.
	<p>Input: Single hall output:</p> 	
White	Not to be connected	

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