



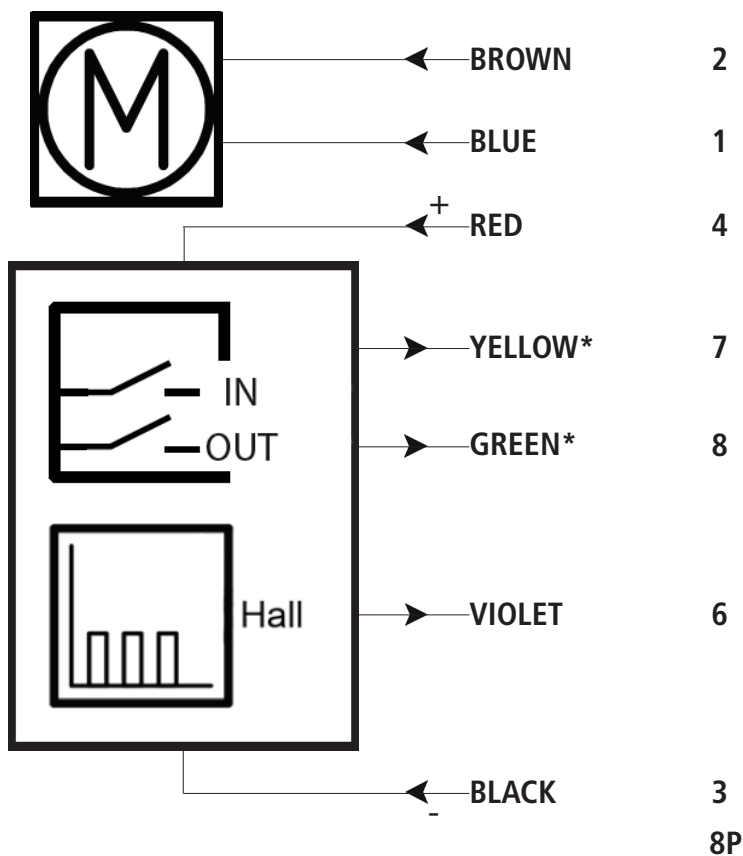
Actuator LA25

Endstop signals and relative positioning - Single hall

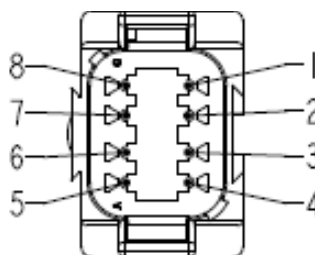
Connection diagram

Connection diagram

25XXXXXXXXX0K0X0X=XXXXX10XXXXXX



8P
DEUTSCH



Standard connector front view

Compliant with:








*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 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	12-24 VDC (+/-) 12 V ± 20% 24 V ± 10%	To extend actuator: Connect Brown to positive To retract actuator: Connect Brown to negative
Blue	Under normal conditions: 12 V, 5 A at max load 24 V, 2.5 A at max 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 (Active high)	Output voltage min. $V_{IN} - 2 V$ Source current max. 100 mA NOT potential free
Yellow	Endstop signal in (Active high)	
Violet	Single Hall output (PNP) Movement per single Hall pulse: LA25030 Actuator = 0.25 mm per pulse LA25060 Actuator = 0.5 mm per pulse LA25090 Actuator = 0.75 mm per pulse LA25120 Actuator = 1.0 mm per pulse LA25200 Actuator = 1.7 mm per pulse Depending on load the frequency is 10-20 Hz Pulse ON time is minimum 8ms. OFF time between two ON pulses is minimum 8 ms. 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.
	Input: Hall A  Hall B   Single hall output: 	
White	Not to be connected	

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