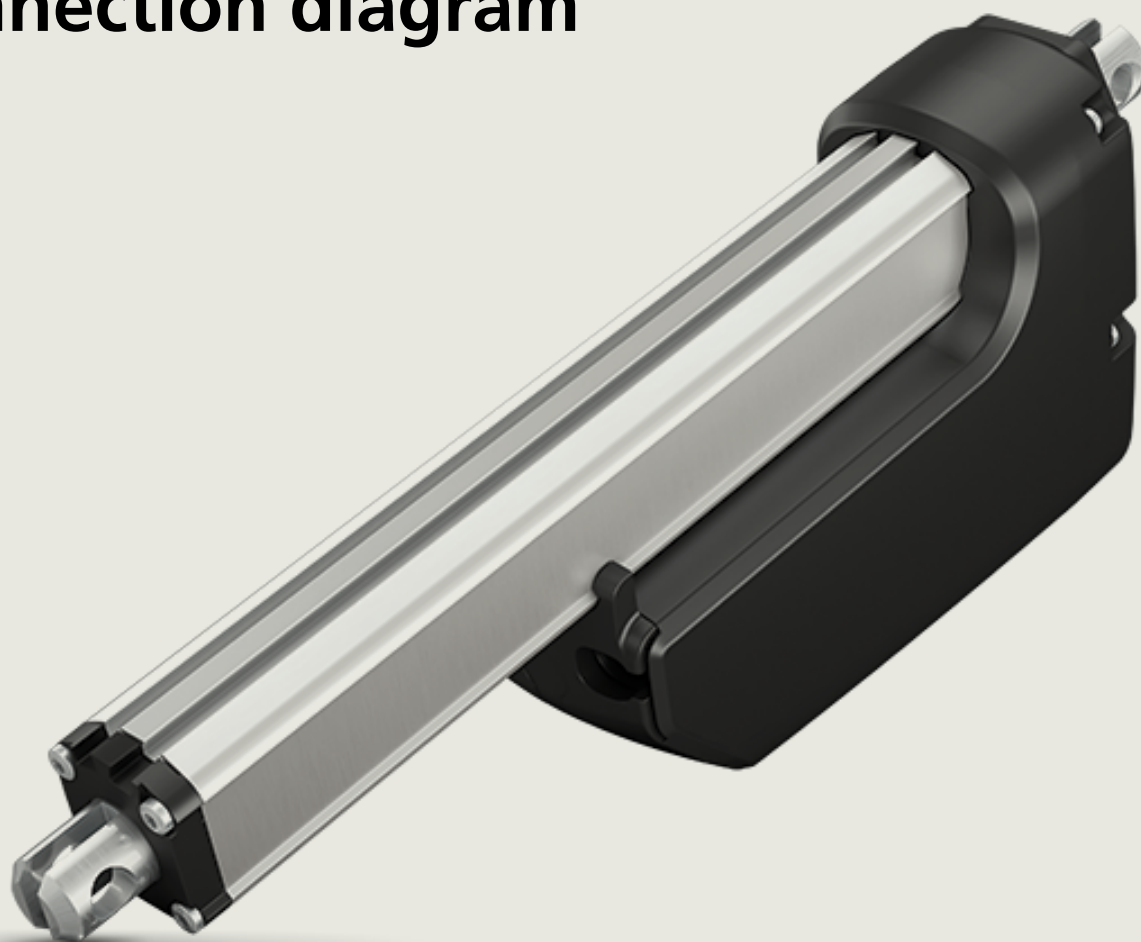


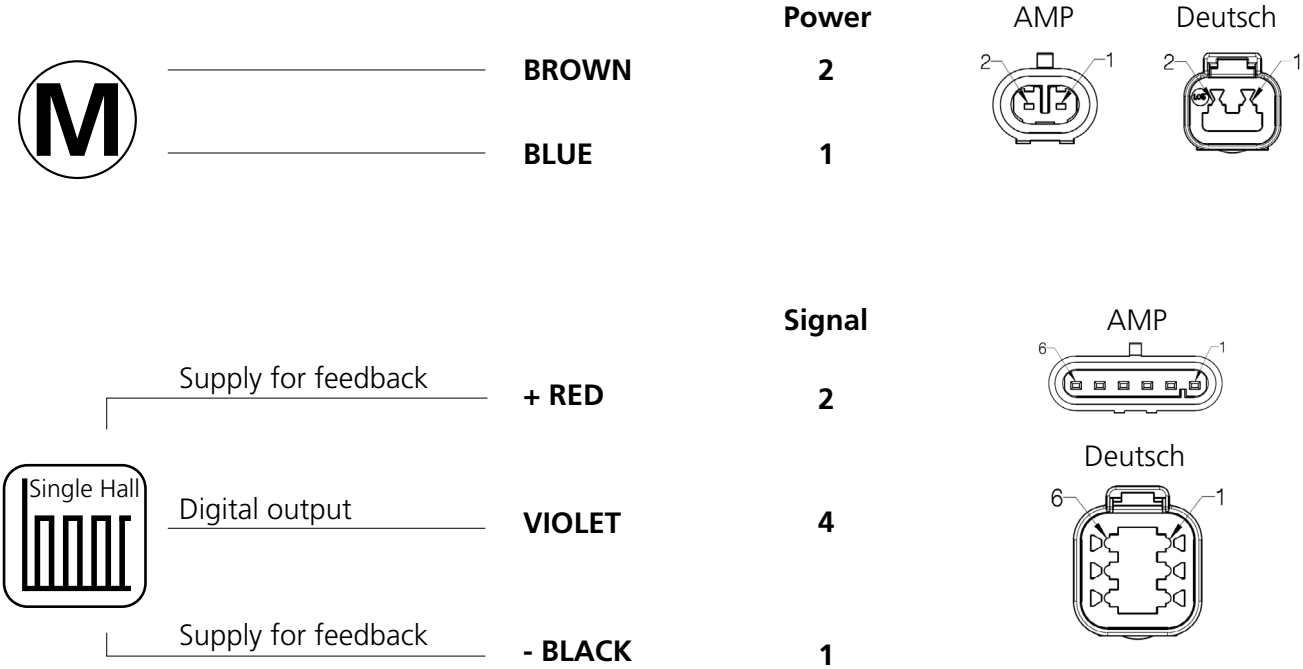
Actuator LA33
With relative positioning -
Single Hall

Connection diagram



Connection diagram

33XXXXXXXXX0KXXX=XXXXXAXXXXXXX



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.	<div>Single Hall</div>
Brown	12 - 24 V DC (+/-) 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, max. 13 A 24 V, max. 9 A	To extend actuator: Connect Blue to negative To retract actuator: Connect Blue to positive
Red	Signal power supply (+) 12-24 V DC	Current consumption: Max. 40 mA during run and pause There will be accrued a higher inrush current
Black	Signal power supply GND (-)	
Green	Not to be connected	
Yellow	Not to be connected	
Violet	Single Hall output (PNP) Movement per Single Hall count: 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. Higher voltage on the motor can result in shorter pulses.	Output voltage min. $V_{IN} - 2\text{ V}$ 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: <div>Hall A</div> <div>Hall B</div>	Single Hall output: <div>Micro - Processor</div>
White	Not to be connected	
A Hall pulse consists of two Hall counts. A Hall count occurs every time the signal changes direction, either upwards or downwards.		

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