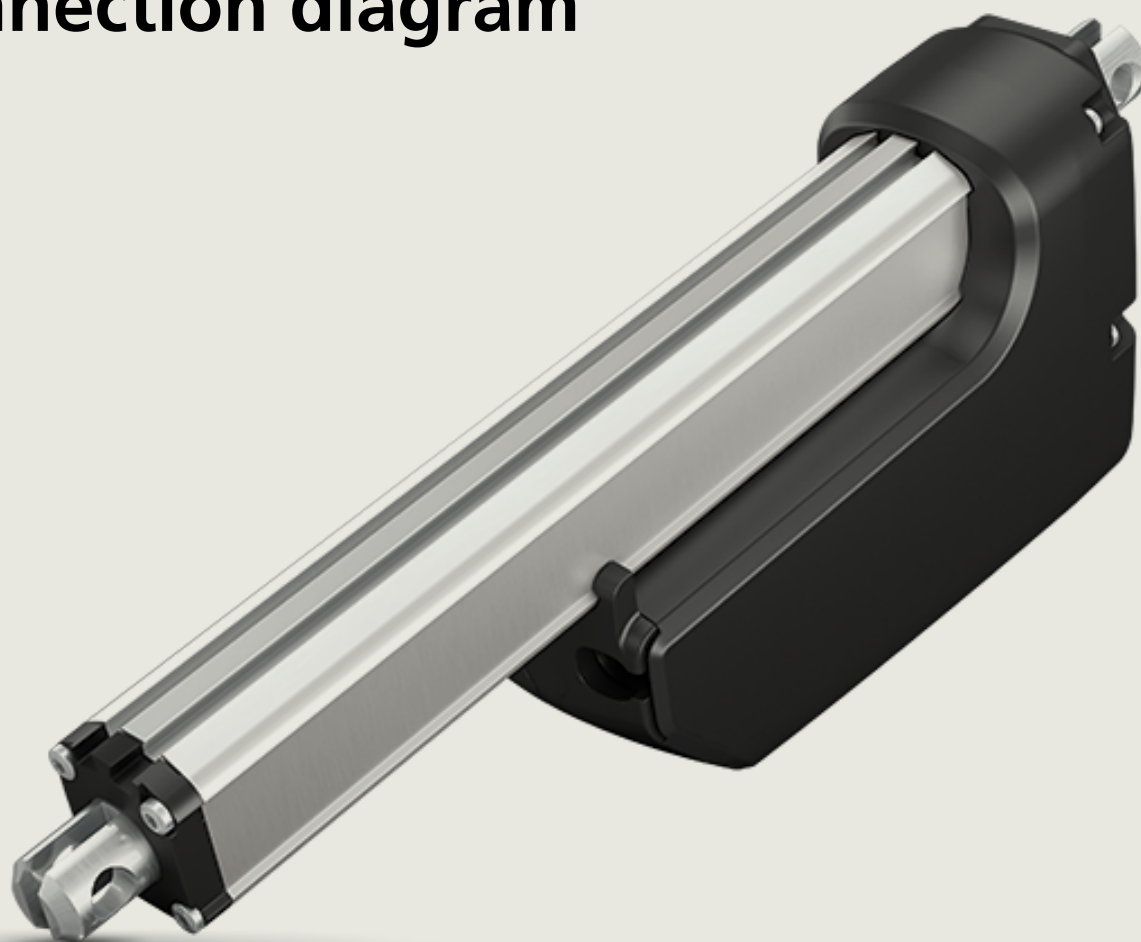


# Actuator LA33

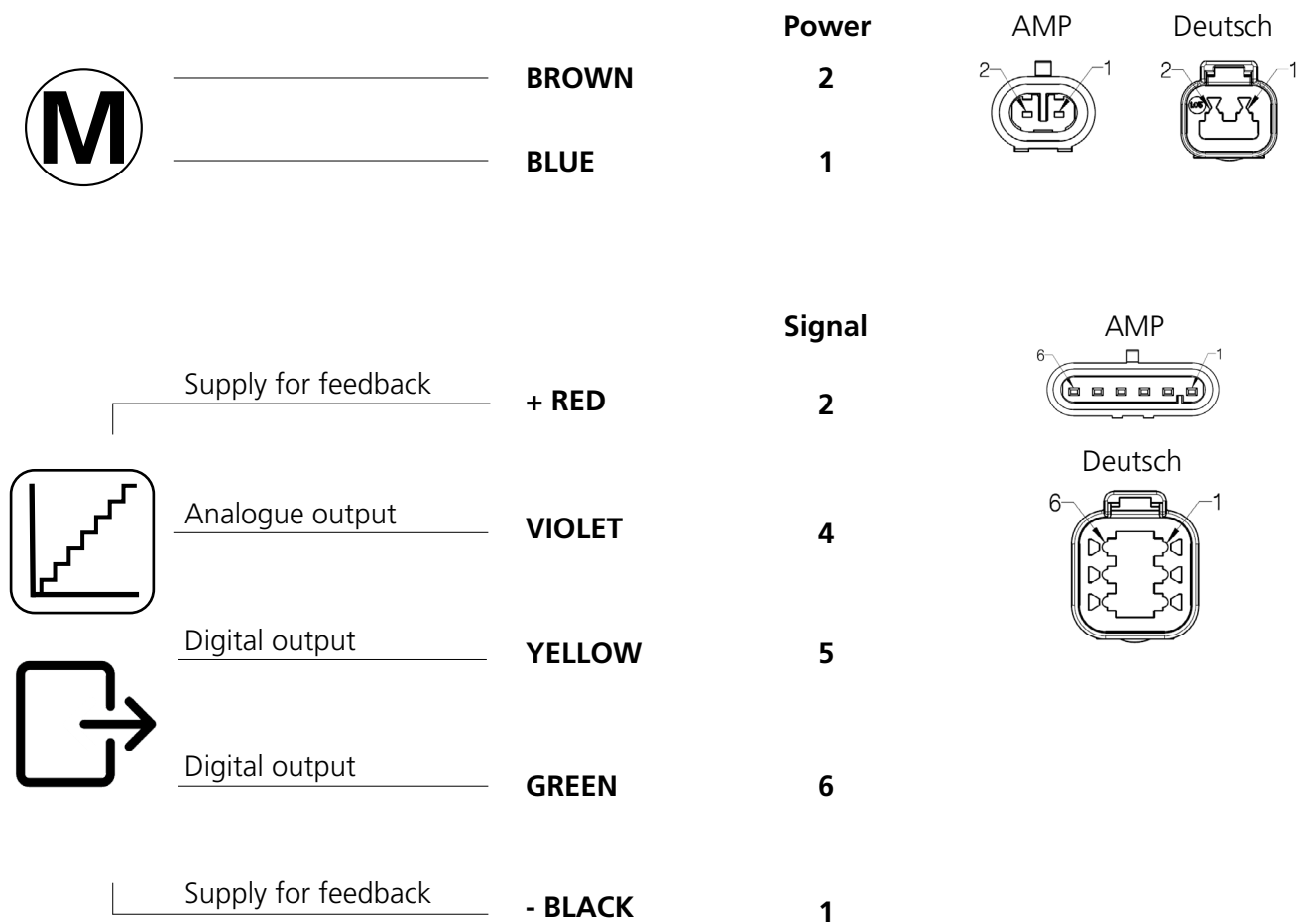
With endstop reached and absolute positioning - Analogue feedback

## Connection diagram



## Connection diagram

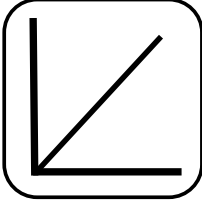
33XXXXXXXXX0AXXX=XXXXXAXXXXXXX



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.

The signal power must be turned on at all times when the actuator is running, and minimum one second before it starts to run.

## I/O specifications

Input/Output	Specification	Comments
Description	The actuator can be equipped with an electronic circuit that gives an analogue feedback signal when the actuator moves.	
Brown	12 - 24 V DC (+/-) 12 V $\pm$ 20 % 24 V $\pm$ 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. 60 mA during run and pause There will be accrued a higher inrush current
Black	Signal power supply GND (-)	
Green	Endstop reached out	Output voltage min. $V_{IN} - 2\text{ V}$ Source current max. 100 mA NOT potential free
Yellow	Endstop reached in	
Violet	Analogue feedback  0-10 V 0.5-4.5 V 4-20 mA	Tolerances $\pm 0.2\text{ V}$ or mA Transaction delay 20 ms Linear feedback 0.5 % Output: Source Serial resistance: 12 V max 300 ohm 24 V 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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