

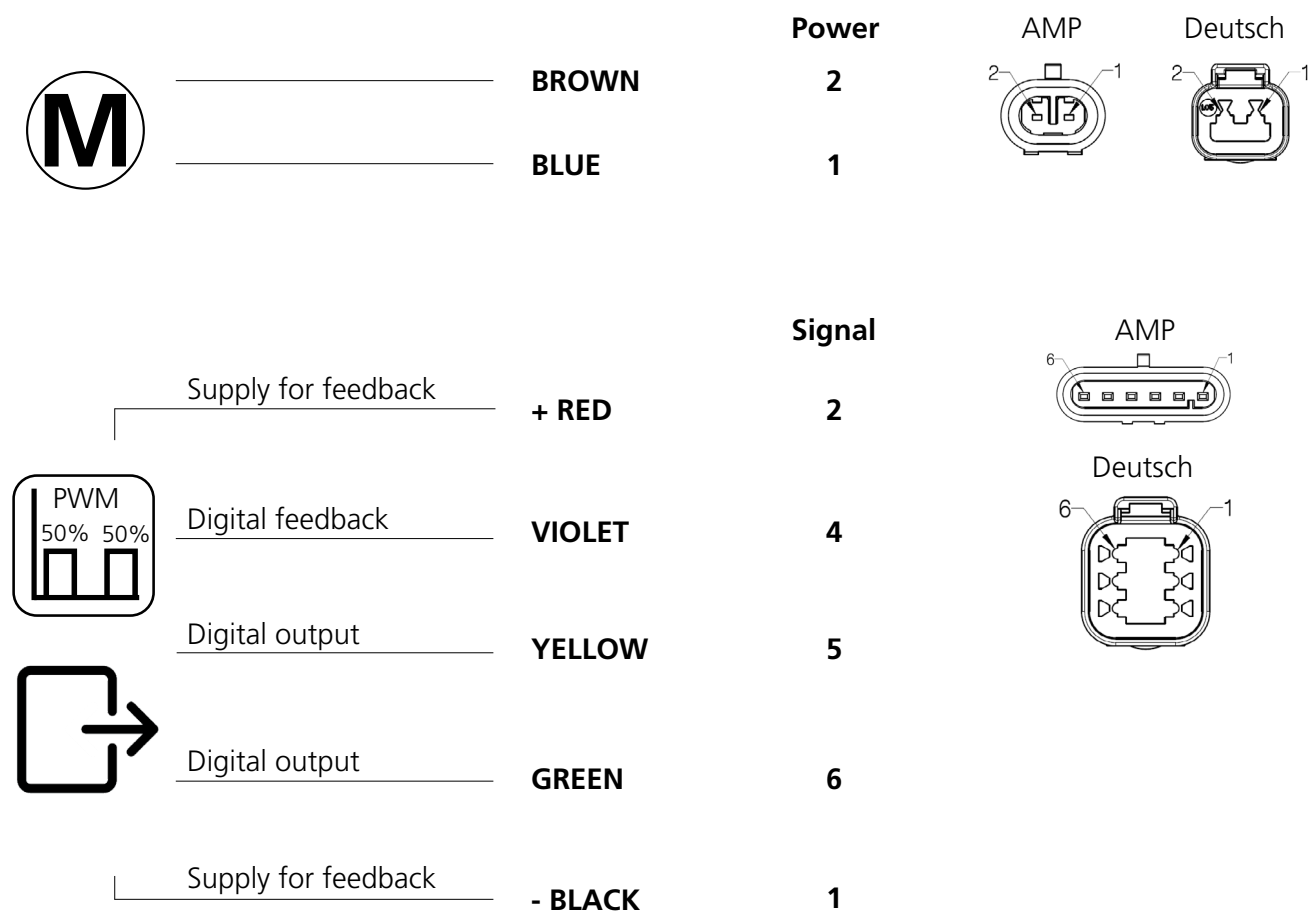
Actuator LA36  
With endstop reached and  
absolute positioning - PWM


## Connection diagram



## Connection diagram

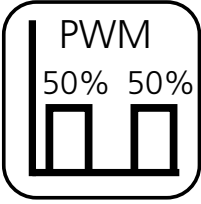
36XXXXXXXXF00XX-XXXXXXXXXXXXXXXXXX



 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 V DC $\pm$ 20 %, max. 26 A depending on load 24 V DC $\pm$ 10 %, max. 13 A depending on load	To extend actuator: Connect Brown to positive To retract actuator: Connect Brown to negative
Blue	36 V DC $\pm$ 10 %, max. 10 A depending on load 48 V DC $\pm$ 10 %, max. 8 A depending on load	To extend actuator: Connect Blue to negative To retract actuator: Connect Blue to positive
Red	Signal power supply (+) 12 - 36 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. $V_{IN} - 2$ V Source current max. 100 mA NOT potential free
Yellow	Endstop reached in	
Violet	Digital output feedback (PNP) 10-90 % (Option 5) 20-80 % (Option 6)	Output voltage min. $V_{IN} - 2$ V Tolerances $\pm$ 2 % Max. current output: 12 mA Frequency: 75 Hz
White	Not to be connected	



For actuators with analogue feedback it is recommended to fully extend and retract the actuator on a regular basis (thereby activating the limit switches) in order to ensure precise positioning.

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