



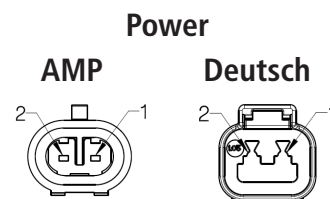
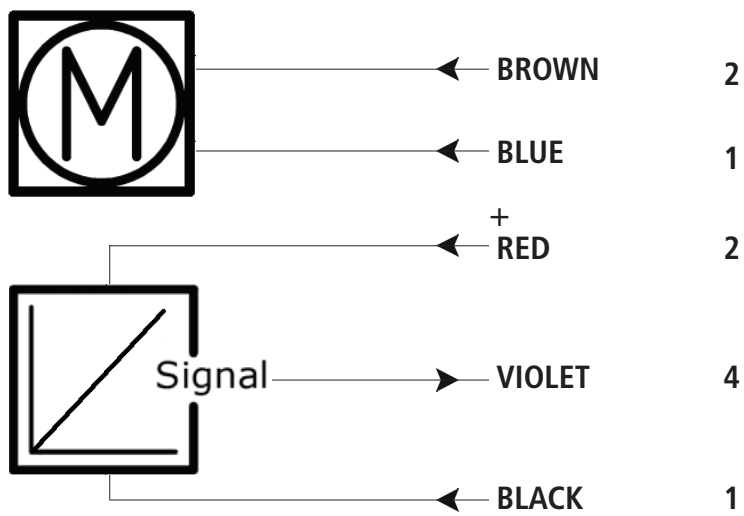
Actuator LA33

**Absolute positioning - Analogue feedback**

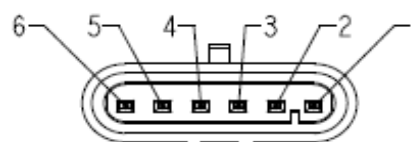
*Connection diagram*

# Connection diagram

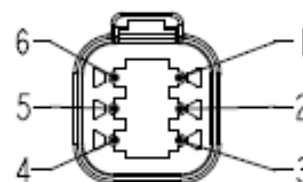
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**AMP**  
Standard signal cable

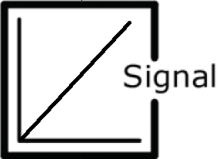


**DEUTSCH**  
Standard signal cable



**i** 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 or 24 VDC (+/-) 12 V $\pm$ 20 % 24 V $\pm$ 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 (+) 12-24VDC	Current consumption: Max. 60 mA, also when the actuator is not running
Black	Signal power supply GND (-)	
Green	Not to be connected	
Yellow	Not to be connected	
Violet	Analogue feedback 0-10 V 0.5-4.5 V 4-20 mA	Tolerances +/- 0.2 V or mA Max. current output: 1 mA Ripple max. 200 mV Transaction delay 100 ms Linear feedback 0.5 %
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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