

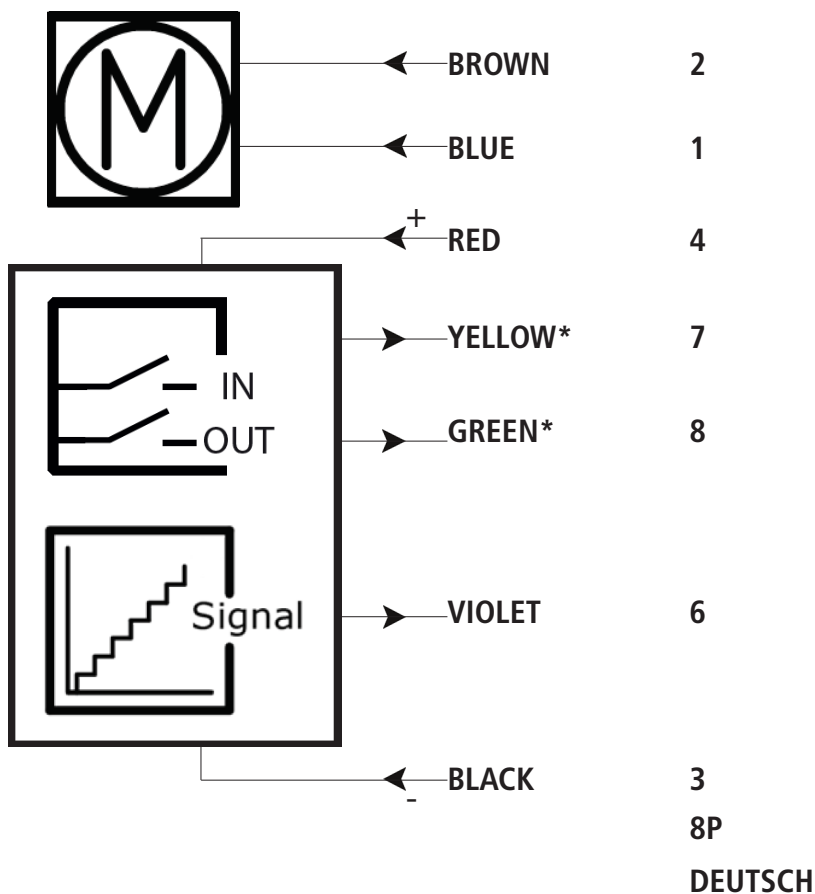
Actuator LA25

Endstop signals and absolute positioning - Analogue feedback

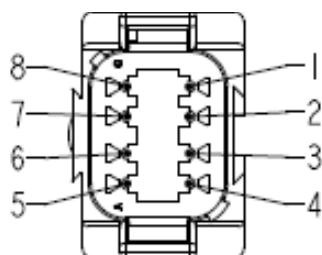
Connection diagram

Connection diagram

25XXXXXXXXX0A0X0X=XXXXX1XXXXXXXXX



Compliant with:




Standard connector front view

*YELLOW/GREEN: Endstop signals out are NOT potential free



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 electronic circuit that gives an analogue feedback signal, which indicates the position of actuator.	
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: 12V , 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. 60 mA, also when the actuator is not running
Black	Signal power supply GND (-)	
Green	Endstop signal out	Output voltage min. $V_{IN} - 2 V$ Source current max. 100 mA
Yellow	Endstop signal in	NOT potential free
Violet	Analogue feedback 0-10 V (Feedback level 1) 0.5-4.5 V (Feedback level 2)	Tolerances +/- 0.2 V Max. current output: 1 mA Ripple max. 200 mV Transaction delay max. 20 ms Linear feedback 0.5% Source current max. 1 mA
	4-20 mA (Feedback level 3) Special (Feedback level 9)	Tolerances +/- 0.2 mA Transaction delay 20 ms Linear feedback 0.5% Output: Source Serial resistance: 12V max 300 ohm 24V 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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