



Actuator LA14

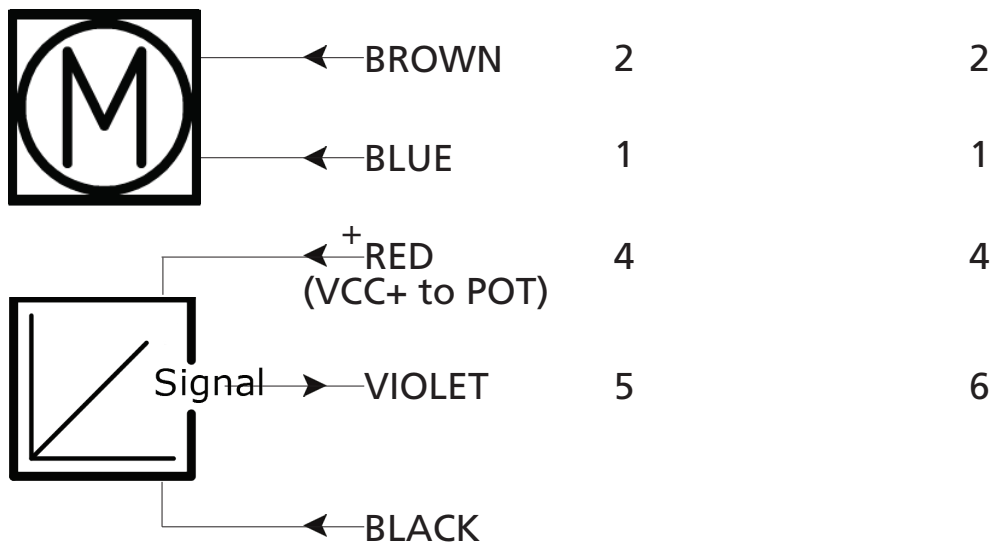
Absolute positioning - Mechanical potentiometer feedback

Connection diagram

Connection diagram

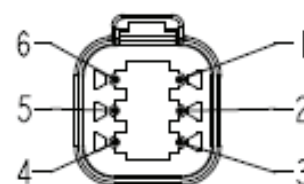
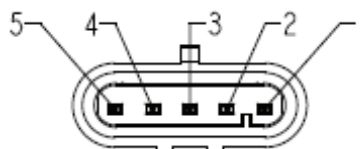
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Compliant with:

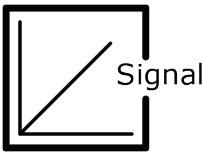


5P
AMP

6P
DEUTSCH



I/O Specifications

Input/Output	Specification	Comments
Description	The actuator can be equipped with a 0 - 10 kohm mechanical potentiometer that gives an analogue feedback signal when the actuator moves Bourns 0-10 kohm, 5%, 10-Turn Type: 3540 Wirewound	
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: 12 V, max. 5 A depending on load 24 V, max. 2.5 A depending on load	To extend actuator: Connect Blue to negative To retract actuator: Connect Blue to positive
Red	Not to be connected	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	Potentiometer feedback Slide potentiometer, 10 kohm 1 kohm = 0 mm stroke 11 kohm = 100 mm stroke The maximum effect: 0.1W	Linearity: ± 20% Minimum lifetime: 15,000 cycles Average lifetime: 40,000 cycles Max. current output: 1mA
White	VCC+ to POT 10 VDC or other values	

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