



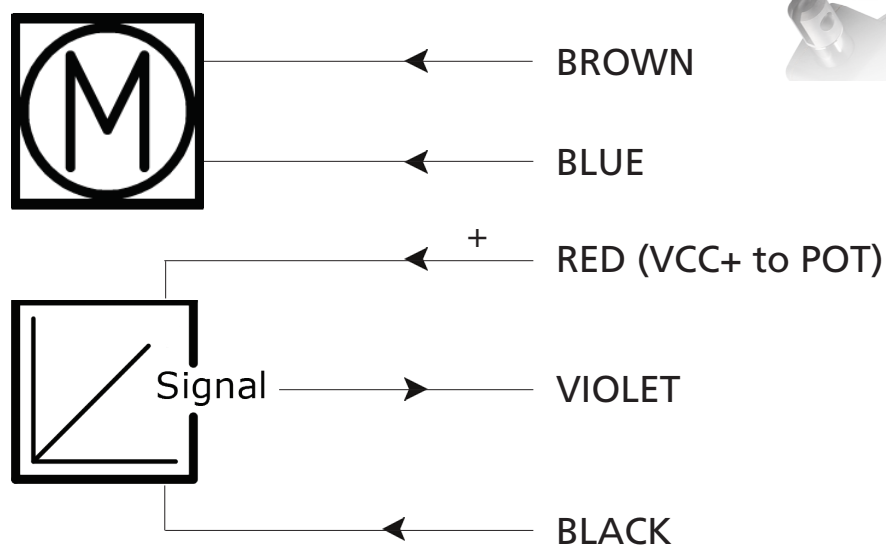
Actuator LA14

Absolute positioning - Mechanical potentiometer feedback

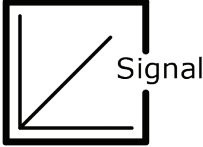
Connection diagram

Connection diagram

14XXXXXXXXX0P0X0X=XX0XXXXXXXXX0X



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 See connection diagram, figure above	 Bourns 0-10 kohm, 5%, 10-Turn Type: 3540 Wirewound
Brown	12, 24 or 36VDC (+/-) 12V ± 20% 24V ± 10% 36V ± 10% Under normal conditions: 12V, max. 26A depending on load 24V, max. 13A depending on load 36V, max. 10A depending on load	To extend actuator: Connect Brown to positive To retract actuator: Connect Brown to negative
Blue		To extend actuator: Connect Blue to negative To retract actuator: Connect Blue to positive
Red	Not to be connected	Current consumption: Max. 60mA, also when the actuator is not running
Black	Signal power supply GND (-)	
Green	Not to be connected	
Yellow	Not to be connected	
Violet	Mechanical potentiometer output Output range with 8mm spindle pitch: 0 kohm = 0mm stroke 10 kohm = 333mm stroke Output range with 12mm spindle pitch: 0 kohm = 0mm stroke 10 kohm = 500mm stroke Output range with 20mm spindle pitch: 0 kohm = 0mm stroke 10 kohm = 833mm stroke	+10V or other value Output protection: 1 kohm protection resistor Linearity: ± 0.25%
White	VCC+ to POT 10VDC or other values	

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