TECHLINE®
IMPROVING FLEXIBILITY

Actuator LA14

IC Basic

Connection diagram

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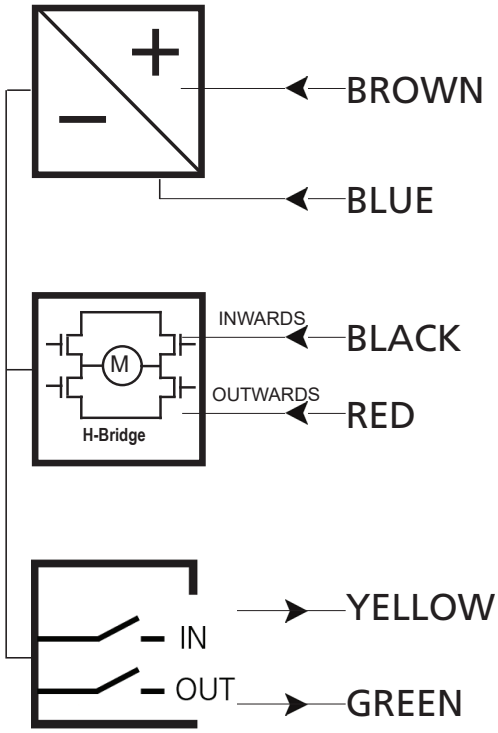
Connection diagram

14XXXXXXXXXX3X1X=XX1XXXXXXXX8X

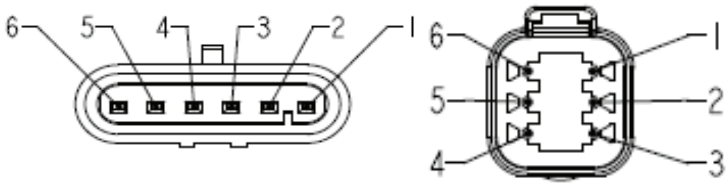
Compliant with:

PLUS 1
Powered by Danfoss

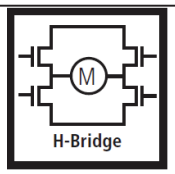
IC INTEGRATED CONTROLLER



BROWN	2	2
BLUE	1	1
BLACK	3	3
RED	4	4
YELLOW	5	5
GREEN	6	6
	6P AMP	6P DEUTSCH



I/O Specifications

Input/Output	Specification	Comments
Description	Easy to use interface with integrated power electronics (H-bridge). The version with "IC option" cannot be operated with PWM (power supply). See connection diagram, figure above	
Brown	12-24 VDC + (VCC) Connect Brown to positive 12 V ± 20% max. 5 A depending on load 24 V ± 10% max. 2.5 A depending on load Standard motor: Fast motor: 12 V, current limit 8 A 12 V, current limit 8 A 24 V, current limit 5 A 24 V, current limit 5 A	Note: Do not change the power supply polarity on the brown and blue wires! Power supply GND (-) is electrically connected to the housing If the temperature drops below 0° C, all current limits will automatically increase to 9 A for both 12 V and 24 V
Blue	12-24VDC - (GND) Connect Blue to negative 12V ± 20% max. 5A depending on load 24V ± 10% max. 2.5A depending on load Standard motor: Fast motor: 12 V, current limit 8 A 12 V, current limit 8 A 24 V, current limit 5 A 24 V, current limit 5 A	
Red	Extends the actuator	On/off voltages: > 67% of V_{IN} = ON < 33% of V_{IN} = OFF Input current: 10mA
Black	Retracts the actuator	
Green	**Not to be connected**	
Yellow	**Not to be connected**	

- Current cut-offs should not be used as stop function! This might damage the actuator. Current cut-offs should only be used in emergencies!
- Current cut-off limits are not proportional with the load curves of the actuator. This means that the current cut-offs cannot be used as load indicator.
- There are tolerances on the spindle, nut, gear wheels etc. and these tolerances will have an influence on the current consumption for the specific actuator.