



### Overview

MDC3 actuators are very easy to operate and install, with IP-65 protection and multiple options for position feedback. Stroke lengths from 50mm to 300mm are available and all actuators come with pre-set limit switches so setup is quick and you never have to worry about overtravel. Aluminum construction provides the durability and corrosion resistance you need in a light-weight and compact body. The DC motor runs on 12 or 24 volts, and direction of motion is simply determined by the polarity of voltage applied to the motor. MDC3 actuators come with clevis-clevis mounts, are lubricated for life, and are rated for operation in a wide variety of temperatures.

### Specifications

- Force up to 1,200N
- 12 / 24 VDC Operation
- Pot and Hall Effect feedback options
- Speed up to 45mm/sec
- Rated for -25 ~ 65 °C
- 10,000 cycles min. life
- 50~300mm stroke
- Clevis-Clevis mounting

Feedback

Blank: Standard (no feedback)

HS 2: Dual Hall Effect Sensors

POT: Potentiometer Sensor

20

12

95



### Actuator Numbering

MDC3 -	24 -	20 -	200 - I
Model No.	Voltage:	Gear ratio:	Stroke:
	12=12V DC	5=5:1	50mm (2")
	24=24V DC	10=10:1	100mm (4")
		20=20:1	150mm (6")
		30=30:1	200mm (8")
		40=40:1	300mm (12")

# Dimensions

Retracted Length (L1)					
S troke	Feedback options				
(mm)	Standard (none)	Potentiometer	Hall Effect		
50	158	195	158		
100	209	246	209		
150	260	297	260		
200	311	348	311		
300	413	450	413		
Notes: extended length = retracted length (L1) + stroke					
lengths are ±~2mm					

## 200 311 413 oke 42

#### Electrical Specs for Potentiometer Feedback



E	E Motor Pov	wer DC 12V /24V
7	Black	-
	Yellow	V input
	Blue	Rs output
oT	White	GND



White





Speed vs Load

840

L1

GND

