



ACTUATOR

MFNR Electrical Actuator



FEATURES / CHARACTERISTICS

Maplef MFNR.0.2

Supply voltage	: 24V AC/DC $\pm 15\%$, 50/60 Hz
Type	: Electrical, bi-directional step motor
Power consumption	: 24V AC: 6VA 24V DC: 4W
Inrush current	: 1.8A (peak)
Control signal	: Analog 0-10V DC
Resolution	: 1:100
Feedback	: No
Control mode	: Linear
Failsafe function	: No
Manual override	: Yes. 5 mm Allen Key
Position indicator	: Yes
Operation time	: 5.5 sec/mm
Actuating force	: 200N (-30N/+70N)
Stroke	: 1-8.5 mm / 0.04-0.33 in (auto adjusting)
Ambient temperature	: 0°C to +50°C / +32°F to +122°F
Media temperature	: 0°C to +120°C / +32°F to +248°F
Humidity rating	: 0..80% rH, no condensation
Protection	: IP54, class III, including upside-down, indoor use only
CE conformity	: EN 60730
Cable	: Fixed, 3 wires x 0.22 mm ² , 1.5 meter Fixed, 3 wires x AWG24, 4.9 ft
Closing point adjustment	: During operation the actuator will self-adjust according to the closing point and stroke length of the valve.



ACTUATOR

MFNR Electrical Actuator

SPECIFICATIONS

Maple MFNR.0.2-EQ

Supply voltage	: 24V AC/DC $\pm 15\%$, 50/60 Hz
Type	: Electrical, bi-directional step motor
Power consumption	: 24V AC: 6VA 24V DC: 4W
Inrush current	: 1.8A (peak)
Control signal	: Analog 0-10V DC
Resolution	: 1:100
Feedback	: No
Control mode	: Equal %
Failsafe function	: No
Manual override	: Yes. 5 mm Allen Key
Position indicator	: Yes
Operation time	: 5.5 sec/mm
Actuating force	: 200N (-30N/+70N)
Stroke	: 1-8.5 mm / 0.04-0.33 in (auto adjusting)
Ambient temperature	: 0°C to +50°C / +32°F to +122°F
Media temperature	: 0°C to +120°C / +32°F to +248°F
Humidity rating	: 0..80% rH, no condensation
Protection	: IP54, class III, including upside-down, indoor use only
CE conformity	: EN 60730
Cable	: Fixed, 3 wires x 0.22 mm ² , 1.5 meter Fixed, 3 wires x AWG24, 4.9 ft
Closing point adjustment	: During operation the actuator will self-adjust according to the closing point and stroke length of the valve.

Maple MFNR.0.3

Supply voltage	: 110/230V AC $\pm 10\%$, 50/60Hz
Type	: Electrical, bi-direction step motor
Power consumption	: 8VA
Control signal	: Digital (2-position / 3-point floating)
Feedback	: No
Failsafe function	: No
Manual override	: Yes. 5 mm Allen Key
Position indication	: Yes
Operation time	: 27.2 sec/mm
Actuating force	: 200N (-30N/+70N)
Stroke	: 1-8.5 mm / 0.04-0.33 in (auto adjusting)
Ambient temperature	: 0°C to +50°C / +32°F to +122°F
Media temperature	: 0°C to +120°C / +32°F to +248°F
Humidity rating	: 0..80% rH, no condensation
Protection	: IP54, class II, including upside-down, indoor use only
CE conformity	: EN 60730
Cable	: Fixed, 3 wires x 0.50mm ² , 1.5 meter Fixed, 3 wires x AWG20, 4.9 ft
Closing point adjustment	: During operation the actuator will self-adjust according to the closing points and stroke length of the valve.

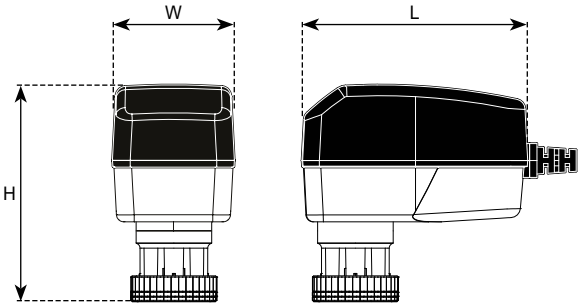


ACTUATOR

MFNR Electrical Actuator

DIMENSIONS AND WEIGHTS (NOMINAL)

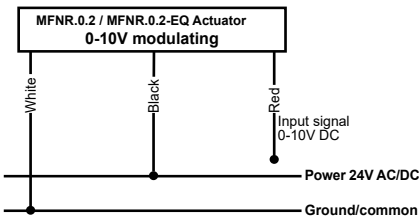
Actuator	L mm(in)	W mm(in)	H mm(in)	T	Weight Kg(lb)
MFNR.0.X	93.0 (3.66)	50.0 (1.97)	88 (3.46)	M30x1.5	0.23 (0.51)



Maple MFNR.0.X

WIRING INSTRUCTION

Maple MFNR (analog)



Maple MFNR (digital)

