



ACTUATOR

MFNJ Electrical Actuator



FEATURES / CHARACTERISTICS

Maplef MFNJ.1.2

Supply voltage	: 24V AC/DC $\pm 15\%$, 50/60 Hz
Type	: Electrical, bi-directional synchronous motor
Power consumption	: 24V AC: 2.5VA standby/operating (5VA max.) 24V DC: 1.5W standby/operating (3W max.)
Control signal	: Analog 0-10V DC (Optional: 2-10V DC, 0-5V DC, 5-10V DC, 0-20mA or 4-20mA)
Feedback	: Yes, 0-10V DC, $\pm 5\%$
Control mode	: Linear
Failsafe function	: Yes, close (optional open)
Position indicator	: Yes
Operation time	: 8 sec/mm
Actuating force	: Medium (160N -20N/+25N)
Stroke	: 6.0 mm / 0.24 in
Ambient temperature	: 0°C to +50°C / +32°F to +122°F
Media temperature	: 0°C to +95°C / +32°F to +203°F
Humidity rating	: 10..90% rH, no condensation
Protection	: IP54, no upside-down mounting, Class III, indoor use only
CE conformity	: EMC 2014/30/EU / LVD 2014/35/EU
Cable	: Plug-in, 4 wires x 0.35 mm ² halogen free, 1.5 m Plug-in, 4 wires x AWG22 halogen free, 4.9 ft
Closing point adjustment	: During operation the actuator will self-adjust according to the closing point of the valve.

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SPECIFICATIONS

Maple MFNJ.1.2-EQ

Supply voltage	: 24V AC/DC $\pm 15\%$, 50/60 Hz
Type	: Electrical, bi-directional synchronous motor
Power consumption	: 24V AC: 2.5VA standby/operating (5VA max.) 24V DC: 1.5W standby/operating (3W max.)
Control signal	: Analog 0-10V DC (Optional: 2-10V DC, 0-5V DC, 5-10V DC, 0-20mA or 4-20mA)
Feedback	: Yes, 0-10V DC, $\pm 5\%$
Control mode	: Equal%
Failsafe function	: Yes, close (optional open)
Position indicator	: Yes
Operation time	: 8 sec/mm
Actuating force	: Medium (160N -20N/+25N)
Stroke	: 6.0 mm (0.24 in)
Ambient temperature	: 0°C to +50°C / +32°F to +122°F
Media temperature	: 0°C to +95°C / +32°F to +203°F
Humidity rating	: 10..90% rH, no condensation
Protection	: IP54, no upside-down mounting, Class III, indoor use only
CE conformity	: EMC 2014/30/EU / LVD 2014/35/EU
Cable	: Plug-in, 4 wires x 0.35 mm ² halogen free, 1.5 m Plug-in, 4 wires x AWG22 halogen free, 4.9 ft
Closing point adjustment	: During operation the actuator will self-adjust according to the closing point of the valve.

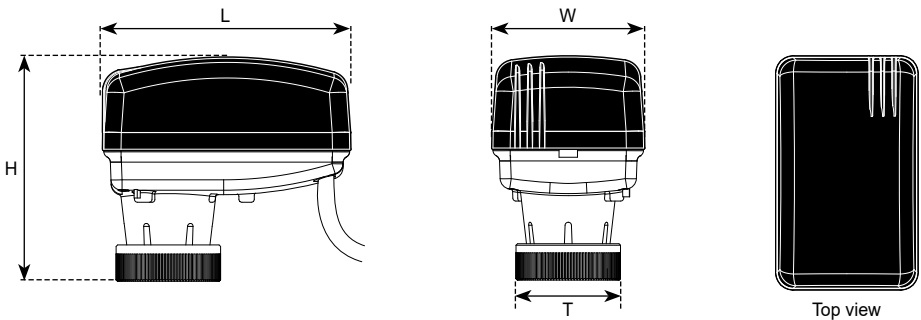


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DIMENSIONS AND WEIGHTS (NOMINAL)

Actuator	L mm(in)	W mm(in)	H mm(in)	T	Weight Kg(lb)
MFNJ.1.2	80 (3.15)	49 (1.93)	73.6 (2.90)	M30x1.5	0.30 (0.66)
MFNJ.1.2-EQ					



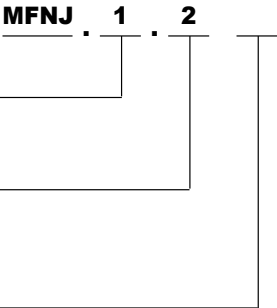
MODEL NUMBER SELECTION

Failsafe function:
1 = Failsafe

Control signal:
2 = 24V modulating

Control mode:
= Linear (leave this position empty)
-EQ = Equal%

Example:
MFNJ.1.2 = MFNJ actuator 24V modulating, with failsafe function.



WIRING INSTRUCTION

