

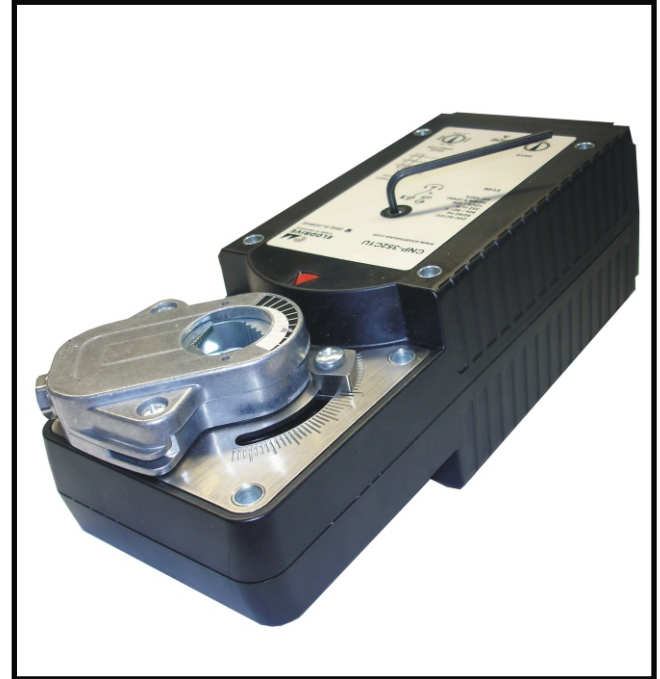
# Electronic NEMA 4

# Actuator Series 48

## Spring Return

### Features

- 352 lb-in (40 nm) torque rating
- Electronic cap fail safe, has 100% locking mechanism
- All metal gears in transmission
- NEMA 4 watertight housing, UL approved
- Manual override to allow positioning for installation and manual operation
- Automatic motor shutoff either when reaching programmed stops or mechanical stops
- On/Off models available in drive open/drive close or drive open/failsafe. Modulating and floating drive open/failsafe
- Direction of rotation (CW or CCW) and also signal 0-10 VDC and 2-10 VDC selectable via switch
- Brushless DC-Motor no wear and tear
- Constant running time independent of load, and constant torque throughout the entire operating range



### Specifications

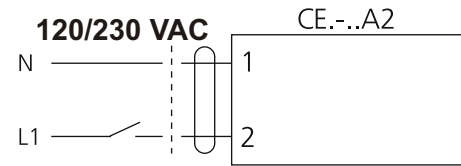
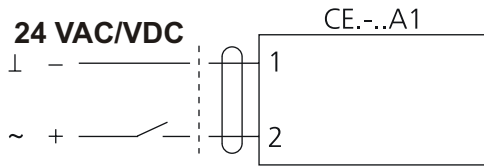
<b>Voltage</b>	<b>24 V</b>	24 VAC +/- 20% 50/60 Hz	120/230 VAC
		24 VDC to 36 VDC +/-10%	
	<b>120/230V</b>	90 VAC to 264 VAC 50/60 Hz +/-10%	

	Control	Voltage	Part Number	Consumption		
				Maximum	Operation	
<b>Power Consumption</b>	On/Off	Drive/Failsafe	24 VAC/VDC	E-CEP-40A1E	45 VA / 30 W	15 VA / 10 W
		Drive/Drive	24 VAC/VDC	E-CEP-40D1E	45 VA / 30 W	15 VA / 10 W
	On/Off	Drive/Failsafe	120/230 VAC	E-CEP-40A2E	45 VA / 30 W	15 VA / 10 W
		Drive/Drive	120/230 VAC	E-CEP-40D2E	45 VA / 30 W	15 VA / 10 W
	Floating	Drive/Drive	24 VAC / VDC	E-CEP-40F1E	45 VA / 30 W	15 VA / 10 W
			120 / 230 VAC	E-CEP-40F2E	45 VA / 30 W	15 VA / 10 W
	Modulating	Drive/Drive	24 VAC / VDC	E-CEP-40P1E	45 VA / 30 W	15 VA / 10 W
			120 / 230 VAC	E-CEP-40P2E	45 VA / 30 W	15 VA / 10 W

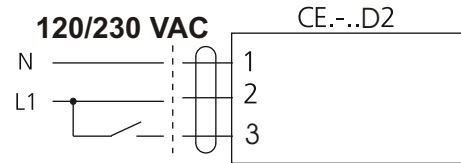
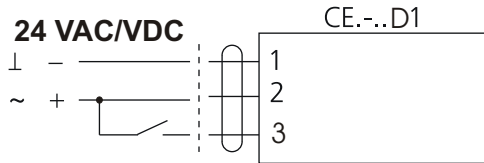
<b>Rotation Direction</b>	Selectable via switch L/R (CCW/CW) or by L/R mounting
<b>Angle of Rotation</b>	Max. 95°
<b>Manual Adjustment</b>	One handed positioning without declutching gears
<b>Shaft Mounting</b>	Single bolt, shaft-centering clamp
<b>Running Time</b>	90 seconds +/- 5% independent of load, failsafe 60 seconds
<b>Position Indicator</b>	Mechanical type
<b>Noise Level</b>	> 35 dB (A)
<b>Ambient Temperature</b>	-30° to 50°C
<b>Failsafe operations</b>	> 10,000 cycles
<b>On/Off Type of Fail Safe</b>	(1) drive 90° on, failsafe 90° return (2) drive open/closed failsafe on loss power
<b>Warranty</b>	5-year conditional warranty

### **On-Off**

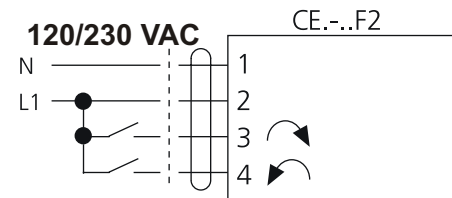
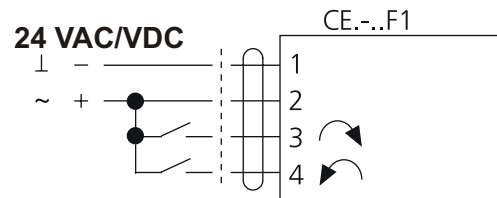
**Drive Open / Fail Safe**



**Drive Open / Drive Closed  
Fail Safe**



### **Floating**



### **Modulating 2-10/0-10 VDC**

