

ELECTRIC ACTUATOR, TYPE EA-50

DATA SHEET
EA-50

CONSTRUCTION:

ACTUATOR:

Electric Actuator EA-50 is primary designed to be in the field with Low Cost automation. The maximum torque of actuator is 50 Nm. Electric Actuator housing is die casted in Aluminium (LM-24) & heat treated, giving extreme strength for the desired torque rating. Design conforming to IP-67, as per IS/IEC 60529-2001. Limit switches are incorporated to cut off supply at the end of travel. Additional Two Auxiliary limit switches can be provided for individual adjustments (optional).

CE approved, permanent magnet type Synchronous motor is used. Fuses and Manual Override are incorporated as a Safety features. A terminal block suitable for connecting outside wires is incorporated in the PCB.

The actuator is suitable for operating AVCON Full Bore Ball Valve upto and inclusive of 1 1/2" (38 MM) size, Rubber lined Butterfly Valves upto 4" (100 MM) size, Plug Valves upto 2" (50 MM) size and Low Leakage Type Butterfly Valves upto 6" (150 MM) size. Actuator can be mounted in any direction.

GEARS:

Actuator is fitted with induction hardened gears and pinions which will give minimum back lash.

Model No.	: EA-50/D - Without potentiometer.
Model No.	: EA-50/E - With potentiometer.
Torque	: 50 Nm .
Travel of angle	: 90° standard.
Working voltage	: Standard-230V AC 50Hz. Optional-110V AC, 24V AC 50Hz, 24V DC.
Temperature	: 10° to 55°C ambient.
Power consumption	: 18 watts.
Time taken for	
90° travel	: 30 seconds approx.
Duty rating	: 50% for 220V AC.
Mounting	: 11mm Star Female. F05, F07 (ISO-5211).
Weight	: Kgs. 3.700 approx.

SPECIAL FEATURES:

Manual override, Visual Position Indicator, Safety Fuses.
Potentiometer : Standard range 500 ohms.
Other working voltage 110 V AC , 24 V DC.



STANDARD SUPPLY

1. Declutching Type Manual override
2. 2-Nos. End of Travel Limit Switches
3. ISOF05F07 mounting
4. Protective fuses
5. Weather Proof Enclosure as per IS/IEC-60529-2001 IP-67.

OPTIONAL TO BE ADDED

- Potentiometer upto 5K
- 2-Nos. Auxiliary adjustable Limit switches non-polarised. 4 to 20 mA or 0 (2) to 10 V Interphase card.
- Space heater.
- Mounting bracket and coupler for Butterfly Valve or Ball Valve as per ISO-5211 Mounting Flanges.

NOTE

:TORQUE SWITCHES ARE NOT AVAILABLE.