

# 4Matic®

## 4MHOD SERIES SINGLE PHASE Quarter Turn Electrical Actuator

### KEY FEATURES

#### SUPPLY VOLTAGE

220 V AC - (+10%), 50/60 Hz

110 V AC, 24 V DC

#### ENCLOSURE - IP 67/68

Weatherproof - IS / IEC 60529

#### TORQUE RANGE

35 Nm to 180 Nm

#### VARIOUS OPTIONS

ON / OFF Type

Auxiliary Limit Switches (2 Units)

2 Wire System for ON / OFF Operation



4MHOD K3



## MANUFACTURING STANDARDS

### Actuator Manufacturing Standard

IEC / EN 15714 – 2 (Electrical Actuator for Industrial Valves)

### Actuator Enclosure Standard - IP 67 | 68

IS / IEC 60529 – 2009

(Degree of Protection provided by Enclosure)

### Actuator Motor Standard

IEC- 60034 – 1 (Rotating Electrical Machines)

IS-996 (Single Phase Induction Motor)

### Actuator Mounting Standard

ISO 5211

## APPLICABLE DIRECTIVES

- EC Machinery Directive - 2006 / 42 / EC
- Low Voltage Directive - 2006 / 95 / EC
- EMC Directive - 2004 / 105 / EEC

## APPLICATIONS

- Water Treatment
- Municipal Water Supply Board
- Petroleum
- Chemical Industry
- Power Plant
- Metallurgy
- Pharmacy
- Paper Industry
- Textile
- Food Processing Automation etc...



[www.4maticvalves.com](http://www.4maticvalves.com)



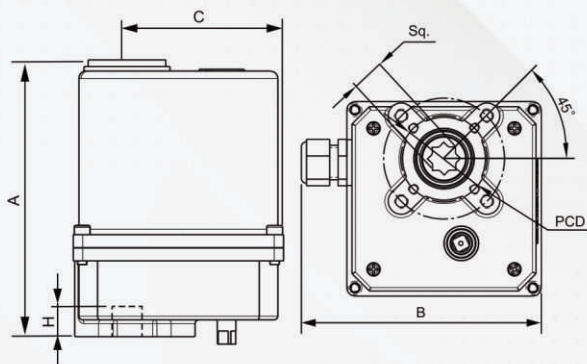
[info@4maticvalves.com](mailto:info@4maticvalves.com)

## TECHNICAL DATASHEET

### STANDARD SPECIFICATIONS

| Model No.  | Max Torque NM | Motor Watt | Rotation time Second / 90° | 220V AC Motor Current |                   |                | Weight Kg. (Approx) | Manual Override                        |
|------------|---------------|------------|----------------------------|-----------------------|-------------------|----------------|---------------------|----------------------------------------|
|            |               |            |                            | RUN (A)               | START (A) at 30ms | LOCK ROTOR (A) |                     |                                        |
| 4MHOD-1    | 35            | 10         | 11                         | 0.3                   | 0.3               | 0.45           | 2.0                 | Key Wrench (to Operate by 8mm Spanner) |
| 4MHOD-2    | 50            | 15         | 11                         | 0.5                   | 0.5               | 0.75           | 2.0                 |                                        |
| 4MHOD-K3   | 110           | 40         | 8                          | 0.5                   | 0.5               | 0.75           | 4.7                 |                                        |
| 4MHOD-K3-1 | 180           | 40         | 8                          | 0.5                   | 0.5               | 0.75           | 4.7                 |                                        |

## DIMENSION DETAILS



(All Dimensions are in MM)

| Model No.  | A   | B   | C   | Sq.           | H  | PCD     |
|------------|-----|-----|-----|---------------|----|---------|
| 4MHOD-1    | 148 | 140 | 79  | 11x11 / 14x14 | 17 | 50 / 70 |
| 4MHOD-2    | 148 | 140 | 79  | 11x11 / 14x14 | 17 | 50 / 70 |
| 4MHOD-K3   | 180 | 197 | 105 | 17x17         | 23 | 70      |
| 4MHOD-K3-1 | 180 | 197 | 105 | 17x17         | 23 | 70      |

**Note :** Specifications mentioned here are subject to revision without notice due to continuous product improvements.

## MOTORIZED VALVES



Motorized Ball Valve  
Screwed End



Motorized Ball Valve  
Flanged End



Motorized Butterfly Valve



Motorized UPVC Ball Valve  
Socket End



Motorized UPVC Butterfly Valve



609 - 0055 6D - 1590



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