

Electric actuator for industrial applications
 Suitable for dampers, guide vanes and butterfly valves

MS-35M

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- ✓ Solid construction for industrial applications
- ✓ 230 or 24 VAC supply voltage
- ✓ Universal design
- ✓ High torque
- ✓ High degree of protection, IP54
- ✓ Class I, 100% duty with reversible synchronous motor



MS-35M3:
Electric actuator for control of dampers, guide vanes and other similar applications.

The MS-35M actuator is designed for control of dampers and guide vanes or similar in industrial control systems.

The actuator can be connected to control systems , 2-point controllers, 3-point controllers and together with a servo controller even to continuous controllers.

Many different available mounting accessories and optional integrated add-ons:

- Steel mounting bracket
- Steel wire pulley
- Lever
- Extra limit switch
- Potentiometer kit for position feed-back.

MS-35M3-MTT
Electric actuator with reinforced torque reduction for control of butterfly valves that correspond to standard ISO 5211

The MS-35M-MTT actuator is designed for control of butterfly valves I warm water pipes, e.g. Boiler plants.

The actuator is delivered with an attached mounting kit MTS-70 that can be used to fit the actuator to different brands of butterfly valves that conform with ISO 5211 design of top flange and size F05, F07 and F10. The kit is also designed to reinforce the actuator torque by a special reduction that increase the normal torque of 30 Nm to 160 Nm when the valve is moving in closed position.

Depending on valve specifications, the actuator can be mounted on valves with dimensions from DN-50 up to DN-200 for electric control of its position.

Micatrone also delivers complete butterfly valves with pre-mounted actuator in series MTT.

General

The actuator can be mounted in all positions and require no additional maintenance in most cases. When used with valves we recommend that the actuator isn't positioned in such a way that in case of water leakage from the valve, the water does not drip on the actuator.

The actuator allows hand operation through integrated release mechanism inside the enclosure.

The actuator is fitted with 3 limit switches as standard:

- ❑ 2 pcs for adjusting the end positions for closed and open position.
- ❑ 1 pc potential-free limit switch that can be adjusted anywhere between the end switches

Technical data:

Type duty:	Class I, 100%
Torque standard:	Nom. 30 Nm, Max. 35 Nm
Rotation speed:	
50 Hz voltage cycle :	90° on 60 sec.
60 Hz voltage cycle :	90° on 50 sec.
Turn angle:	Adjustable 0...360° depending on type and mounted accessories
Control voltage:	230 or 24 VAC
Power consumption at nominal voltage:	Max. 10 VA
Ambient temperature:	Standard -15...+55 °C
Degree of protection:	IP 54
Cable entries:	3 x M20 x 1,5
Electrical conn.:	2 x 1,5 mm ² /per terminal
Materials:	
- Motor	1-phase, synchronous reversible motor
-Gears	Steel gears in sintered bronze bearings
-Output shaft	Steel ø15mm 12x12mm
-Enclosure	Black Poly carbonate
Weight:	2,4 kg excl accessories
Limit switch load:	250 VAC for 50 000 changes: 3 A 250 VDC for 50 000 changes: 0.2 A

Accessories:

- ❑ Steel wire pulley kit MTS-20
- ❑ Push rod lever kit MTS-10
- ❑ Potentiometer kit MTS-50
- ❑ Heat resistor kit MTS-60
- ❑ Extra limit switch MTS-30/40
- ❑ Reinforced torque reduction MTS-70

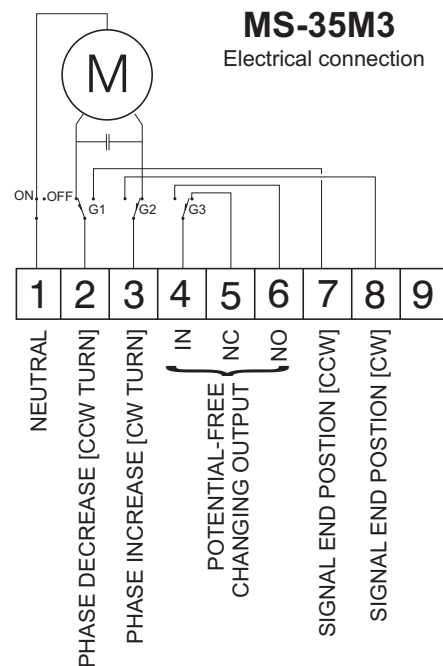


lever kit MTS-10



Steel wire pulley kit MTS-20

Electrical connection MS-35M3:



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