



DEMCA

Actuation Solutions

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Model No.	Max Torque (Nm)	Speed (sec/90 degrees)	Manual override	Mounting flange (ISO 5211)
DAS OM - 1	35	12	Lever	F05



Model No.	Max Torque (Nm)	Speed (sec/90 degrees)	Manual override	Mounting flange (ISO 5211)
DAS OM - 2	90	15	Hand-wheel	F07
DAS OM - 3	150	22	Hand-wheel	F07



Model No.	Max Torque (Nm)	Speed (sec/90 degrees)	Manual override	Mounting flange (ISO 5211)
DAS OM - 4	400	16	Hand-wheel	F10
DAS OM - 5	500	22	Hand-wheel	F10
DAS OM - 6	650	28	Hand-wheel	F10



Model No.	Max Torque (Nm)	Speed (sec/90 degrees)	Manual override	Mounting flange (ISO 5211)
DAS OM - 7	1000	46	Hand-wheel	F12 or F14
DAS OM - 8	1500	46	Hand-wheel	F12 or F14



Model No.	Max Torque (Nm)	Speed (sec/90 degrees)	Manual override	Mounting flange (ISO 5211)
DAS OM - 9	2000	58	Hand-wheel	F16
DAS OM - 10	2500	58	Hand-wheel	F16
DAS OM - 11	3000	58	Hand-wheel	F16
DAS OM - 12	3500	58	Hand-wheel	F16



Model No.	Max Torque (Nm)	Speed (sec/90 degrees)	Manual override	Mounting flange (ISO 5211)
DAS OM - 13	4500	80	Hand-wheel	F25



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The DAS OM Range of actuators provide quiet and reliable operation for all kinds of quarter turn automation applications up to 4,500Nm's e.g ball valves, butterfly valves, plug valves, as well as dampers and ventilation louvres. They provide self locking as standard, local visual indicators and manual override options together with a wide range of voltages.



FEATURES:

Enclosure:

- IP67, Waterproof and dust-proof enclosures
- Nema 4X - Waterproof and dust-proof enclosures
- Material: Aluminium Alloy
- Finish: Dry powder coated

Motor:

- Standard extended duty cycle induction motor
- F Insulation class for all models
- Built in thermal protection (135 degrees Celcius) prevents motor burnout

Position Indicator:

- All models have continuous position indication on the actuator top cover.

Ambient Temperatures Range:

- Temperature: -30 degrees celcius to +65 degrees celcius.
- Humidity: 30% to 95%

Manual Override:

- Clutchless design, the manual operation can be operated without any lever, clutch or brake upon power outage.
- When the electric motor is operating, the manual override will not rotate.

Gear train:

- High alloy steel gear trains provide self-locking function to avoid valve back drive
- Gear trains are factory lubricated for life under normal operating conditions.

Certification:

- ISO 9001
- CE
- CSA (Conforming to the test standard of outdoor usage)
- RoHS Compliance

Warranty:

- Warranty Period of 1 year

VARIOUS OPTIONS

Torque Switches:

- Cam activated torque switches to provide torque overload protection.

Potentiometer Unit:

- Synchronous with output transmission shaft to provide a feedback signal for position indicator etc.

Modulating Controller:

- Input signal: 4 to 20mA, 1 - 5V, 2-10V
- Output signal: 4 to 20mA, 2 - 10V, 0-100%

Position Indicator:

- Position indicator can be either 0 to 100% or 4 to 20mA.

Various Voltages:

- 12V AC/DC
- 24V AC/DC
- 110 / 220V - Single phase
- 220 / 380 / 440V - three phase

Current Position Transmitter:

- Works in conjunction with the Potentiometer Unit and provides 4 - 20mA output signal for position indication etc.

Local Control Unit:

- Local / Remote selection switches, Open / Close selection switches (local)

Anti-condensation heater:

- Available for all sizes

Conduit entries:

- Standard: Metric M20

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