

AVA MULTI TURN 'MT' Series

AVA have been working on the new series of Multi Turn actuators for the last 2 years and with testing done with customers around the world, the new MT series is now launched. The AVA Smart series electric actuators have no mechanical stops within the actuator, no cams or micro switches to tell the motor to start and stop. As a result, the AVA Smart series was always to be made available as a multi turn.

The MT Smart actuators can be set to reach multiple rotations of 360 degrees, all set via the firmware settings of the actuator. The MT series will be available on our 20, 50, 80 and 110Nm actuator models and is available as standard Smart On Off, Smart Hi Speed On Off, Smart Modulating and Smart Modulating Hi Speed.

Failsafe functionality is not possible due to the capacitor technology we use to achieve failsafe not being able to handle the multiple rotations or indeed hi speed functionality. We are working on a solution to this in the near future. The Smart menu, as with all our smart actuators, can be used to make modifications to the actuator function and performance, and the same will apply again to our MT series. You will be able to set the number of rotations as detailed in our table below.

*Note that the quickest working speed is only available on 24VDC series. For use on non rising stem valves.



Model	ISO 5211	Torque	Max Number of Turns	Function	Speed per 360 Rotation
S2010MT	F03/04/05 x 14mm	20Nm	5	ON-OFF	40 Seconds
S2019MT	F03/04/05 x 14mm	20Nm	5	Hi Speed ON OFF	4 Seconds
S2025MT	F03/04/05 x 14mm	20Nm	5	Modulating	40 Seconds
S2029MT	F03/04/05 x 14mm	20Nm	5	Hi Speed Modulating	4 Seconds
S5010MT	F05/07 x 14mm	50Nm	15	ON-OFF	40 Seconds
S5019MT	F05/07 x 14mm	50Nm	15	Hi Speed ON OFF	16 Seconds
S5025MT	F05/07 x 14mm	50Nm	15	Modulating	40 Seconds
S5029MT	F05/07 x 14mm	50Nm	15	Hi Speed Modulating	16 Seconds
S8010MT	F05/07 x 17mm	80Nm	15	ON-OFF	40 Seconds
S8019MT	F05/07 x 17mm	80Nm	15	Hi Speed ON OFF	20 Seconds
S8025MT	F05/07 x 17mm	80Nm	15	Modulating	40 Seconds
S8029MT	F05/07 x 17mm	80Nm	15	Hi Speed Modulating	20 Seconds
S11010MT	F05/07 x 17mm	110Nm	15	ON-OFF	40 Seconds
S11019MT	F05/07 x 17mm	110Nm	15	Hi Speed ON OFF	20 Seconds
S11025MT	F05/07 x 17mm	110Nm	15	Modulating	40 Seconds
S11029MT	F05/07 x 17mm	110Nm	15	Hi Speed Modulating	20 Seconds

Model	ISO 5211	Torque	Voltage	Max Turns	Function	Speed 360 x1
S2010MT-6	F03/04/05x14	20Nm	24VDC	5	ON-OFF	40 Seconds
S2010MT-5	F03/04/05x14	20Nm	95-265V AC	5	ON-OFF	40 Seconds
S2019MT-6	F03/04/05x14	20Nm	24VDC	5	Hi Speed ON OFF	4 Seconds
S2019MT-5	F03/04/05x14	20Nm	95-265V AC	5	Hi Speed ON OFF	6 Seconds
S2025MT-6	F03/04/05x14	20Nm	24VDC	5	Modulating	40 Seconds
S2025MT-5	F03/04/05x14	20Nm	95-265V AC	5	Modulating	40 Seconds
S2029MT-6	F03/04/05x14	20Nm	24VDC	5	Hi Speed Modulating	4 Seconds
S2029MT-5	F03/04/05x14	20Nm	95-265V AC	5	Hi Speed Modulating	6 Seconds

Model	ISO 5211	Torque	Voltage	Max Turns	Function	Speed 360 x1
S5010MT-6	F05/07 x 14	50Nm	24VAC/DC	15	ON-OFF	40 Seconds
S5010MT-5	F05/07 x 14	50Nm	95-265V AC	15	ON-OFF	40 Seconds
S5019MT-6	F05/07 x 14	50Nm	24VAC/DC	15	Hi Speed ON OFF	16 Seconds
S5019MT-5	F05/07 x 14	50Nm	95-265V AC	15	Hi Speed ON OFF	16 Seconds
S5025MT-6	F05/07 x 14	50Nm	24VAC/DC	15	Modulating	40 Seconds
S5025MT-5	F05/07 x 14	50Nm	95-265V AC	15	Modulating	40 Seconds
S5029MT-6	F05/07 x 14	50Nm	24VAC/DC	15	Hi Speed Modulating	16 Seconds
S5029MT-5	F05/07 x 14	50Nm	95-265V AC	15	Hi Speed Modulating	16 Seconds

Model	ISO 5211	Torque	Voltage	Max Turns	Function	Speed 360 x1
S8010MT-6	F05/07 x 17	80Nm	24VAC/DC	15	ON-OFF	40 Seconds
S8010MT-5	F05/07 x 17	80Nm	95-265V AC	15	ON-OFF	40 Seconds
S8019MT-6	F05/07 x 17	80Nm	24VAC/DC	15	Hi Speed ON OFF	20 Seconds
S8019MT-5	F05/07 x 17	80Nm	95-265V AC	15	Hi Speed ON OFF	20 Seconds
S8025MT-6	F05/07 x 17	80Nm	24VAC/DC	15	Modulating	40 Seconds
S8025MT-5	F05/07 x 17	80Nm	95-265V AC	15	Modulating	40 Seconds
S8029MT-6	F05/07 x 17	80Nm	24VAC/DC	15	Hi Speed Modulating	20 Seconds
S8029MT-5	F05/07 x 17	80Nm	95-265V AC	15	Hi Speed Modulating	20 Seconds

Model	ISO 5211	Torque	Voltage	Max Turns	Function	Speed 360 x1
S11010MT-6	F05/07 x 17	110Nm	24VAC/DC	15	ON-OFF	40 Seconds
S11010MT-5	F05/07 x 17	110Nm	95-265V AC	15	ON-OFF	40 Seconds
S11019MT-6	F05/07 x 17	110Nm	24VAC/DC	15	Hi Speed ON OFF	16 Seconds
S11019MT-5	F05/07 x 17	110Nm	95-265V AC	15	Hi Speed ON OFF	16 Seconds
S11025MT-6	F05/07 x 17	110Nm	24VAC/DC	15	Modulating	40 Seconds
S11025MT-5	F05/07 x 17	110Nm	95-265V AC	15	Modulating	40 Seconds
S11029MT-6	F05/07 x 17	110Nm	24VAC/DC	15	Hi Speed Modulating	16 Seconds
S11029MT-5	F05/07 x 17	110Nm	95-265V AC	15	Hi Speed Modulating	16 Seconds