

Series Features:

- S Series Quarter Turn Mechanical Spring Close
- 50Nm to 260Nm Torque Output
- 24VAC/DC, 110VAC or 230VAC typical voltage range
- ISO 5211 for direct mount (see table in document)
- Option of ATEX Approval in SE Series
- Manual override option
- IP67 aluminium Nema 4X housing
- Volt-free end of travel confirmation switches x 4
- Thermal over-torque protection
- Thermostatic anti-condensation protection
- CE, CSA, RoHS, REACH and SIL Certified



Main Specifications:

Feature:	Detail:
Enclosure	Powder coated aluminium
Motor	Insulation class F built in protection
Duty Cycle	30-35% as standard
Service Condition	-30C to +65C Ambient Temp
Position Indicator	Local dome indicator all series
Gear Train	Anti-high temperature lubricated
Conduit (Cable) Entry	M20 or 1/2" NPT
Working Angle	Standard 0-90 / Optional 91-270
Voltages	AC/DC 24V 110/230VAC 1Ph

Options:

Function	Description
Modulating	4-20ma, 2-10V or 1-5V input/output
Potentiometer	On Off with output signal via 1K or 5K resistor
Analogue Output	On Off with output of 4-20ma or 0-10V/2-10V
Manual Override	For operating actuator without power
Conduit Entry	M20 as standard, 1/2" and 3/4" NPT options
ATEX	Atex rated housing for EXD Zone 1-2

Approvals:



Manufacturer:



Overview :

Sun Yeh **S** Series spring return failsafe electric actuators offer a mechanical spring close or open on power loss. Used as a traditional on off or modulating actuator, the S Series introduces a mechanical spring to ensure quick closure on power loss. This making it a perfect option for emergency shut down applications where the actuator must close the valve or damper quickly.

Available with the option of a manual override to ensure the valve can be opened or closed once power has been lost.

Also available with ATEX approval for explosive atmospheres.

Coming Soon - New 360Nm Spring Return Actuator model

About Sun Yeh:

Sun Yeh Electrical Ind. Co., Ltd. was founded in 1986. Since that moment it has been adhering to understand customer demand and expectations. Based on this principle, OM series quarter turn electric control valve actuator, spring return fail-safe series valve actuator, and linear series electric actuators have been developed. Sun Yeh electric actuators fit with various types of valves such as butterfly valves, ball valves, plug valves, dampers, globe valves, which are widely applied to industrial technology, irrigation, water treatment, HVAC, chemicals, food processing, mining, tunnel/metro ventilation, smoke extraction, food industry, environmental protection system to name a few.



Full Specifications:

Model No	TORQUE NM	TORQUE IN.LB	WEIGHT KG	ISO 5211	OUTPUT
S500	50NM	445	26.5	F07	17MM
S1300	130NM	1150	55.5	F10	22MM
S2000	200NM	1770	93	F12	27MM
S2600	260NM	2300	93	F12	27MM

Speed and Power Specification - 24VAC/DC

Model No	Operating Time	Operating Time	AC/DC 24V	AC/ DC 24V
S500	7	3	3.0A	4.0A
S1300	8	3	9.0A	19.0A
S2000	11	3	9.0A	19.0A
S2600	17	3	9.0A	19.0A

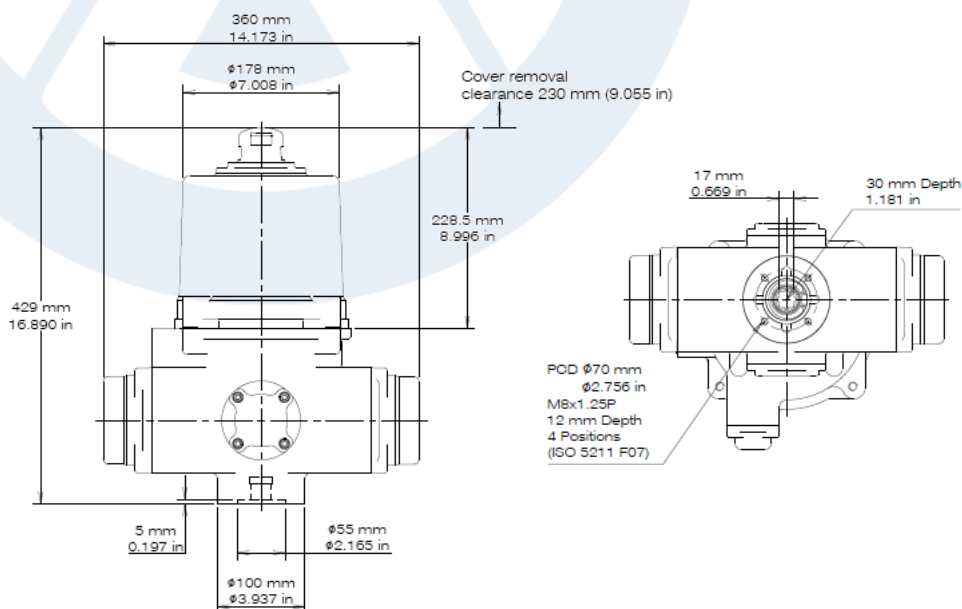
Speed and Power Specification - 110VAC

Model No	Operating Time 50Hz	Operating Time Spring	AC 110V Run	AC 110V Lock
S500	7	3	1.0A	2.A
S1300	7	8	2.6A	10A
S2000	11	12	2.6A	10A
S2600	14	12	2.6A	10A

Speed and Power Specification - 240VAC

Model No	Operating Time 50Hz	Operating Time Spring	AC 240V Run	AC 240V Lock
S500	7	3	0.6A	1.A
S1300	7	8	1.5A	5A
S2000	11	12	1.5A	5A
S2600	14	12	1.5A	5A

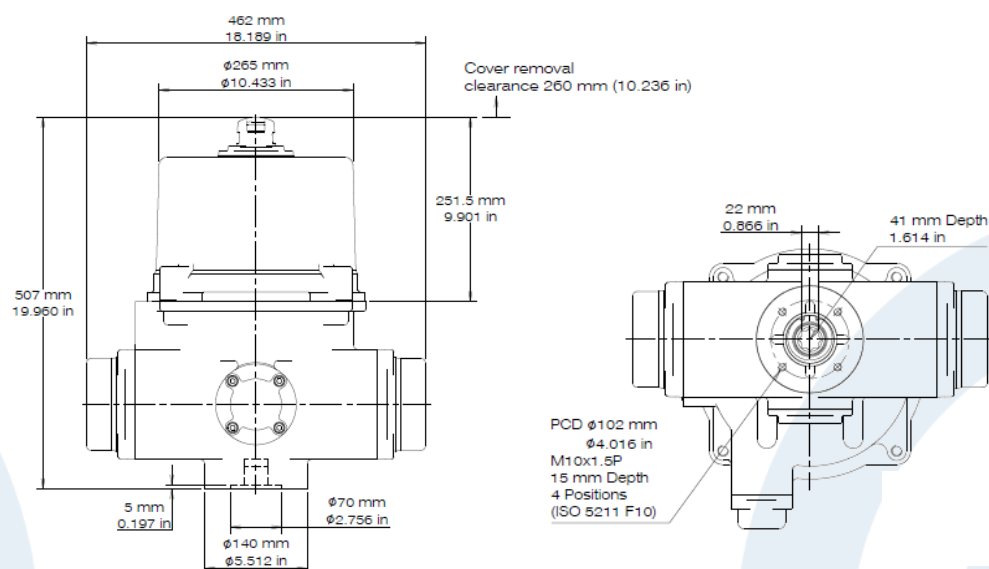
Outline Dimensions:



MODEL: S500

- 500Nm Torque Output

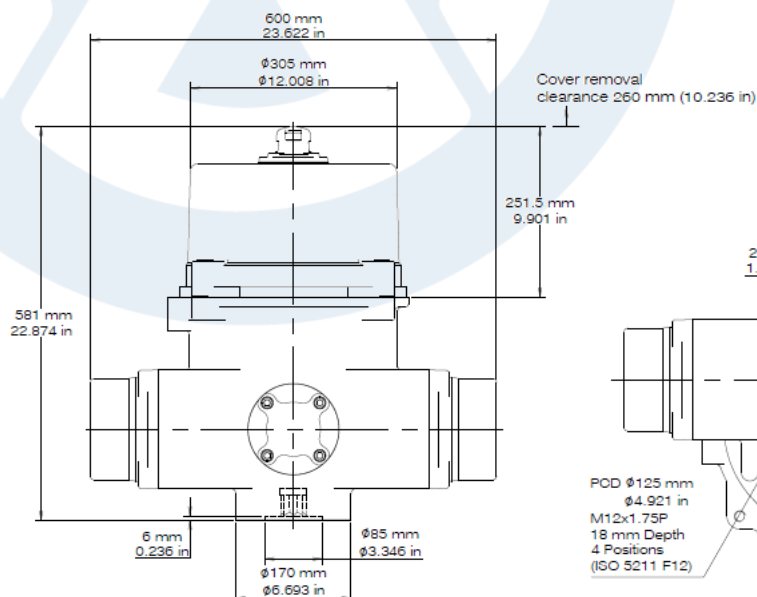
Outline Dimensions:



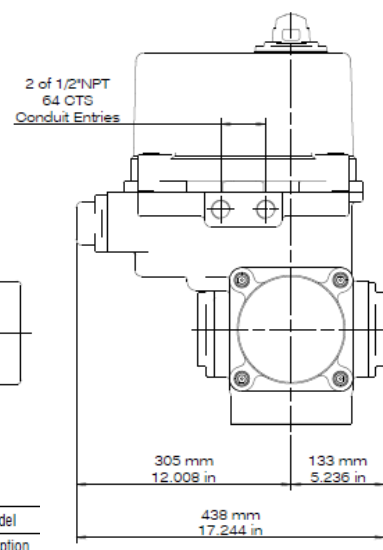
MODEL: S1300

- 1300Nm Torque Output

Outline Dimensions:

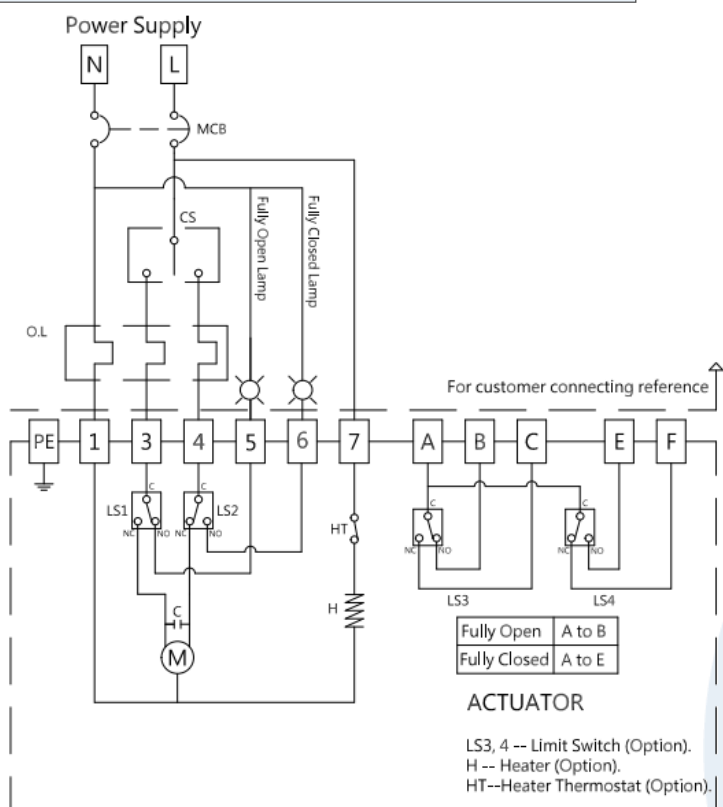


MODEL: S2000-2600



- 200-260Nm Torque Output

On Off Wiring Schematic:



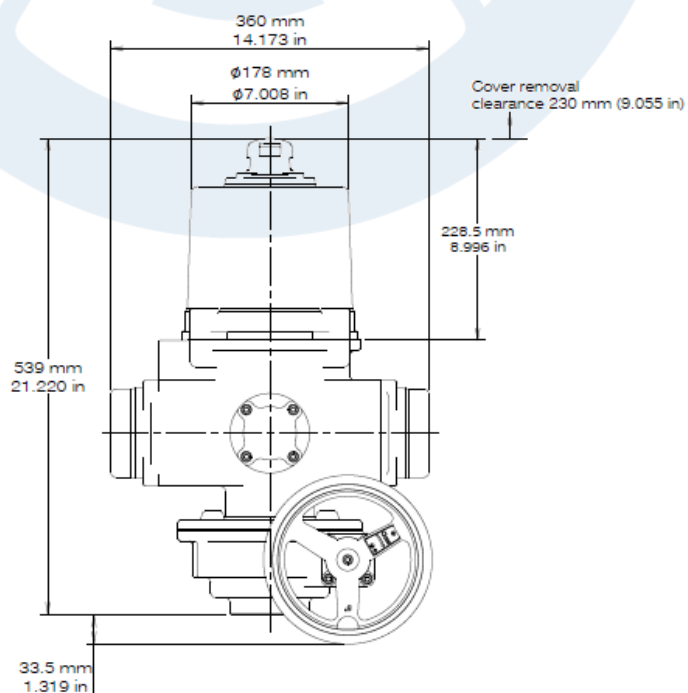
ALL SERIES

Note:

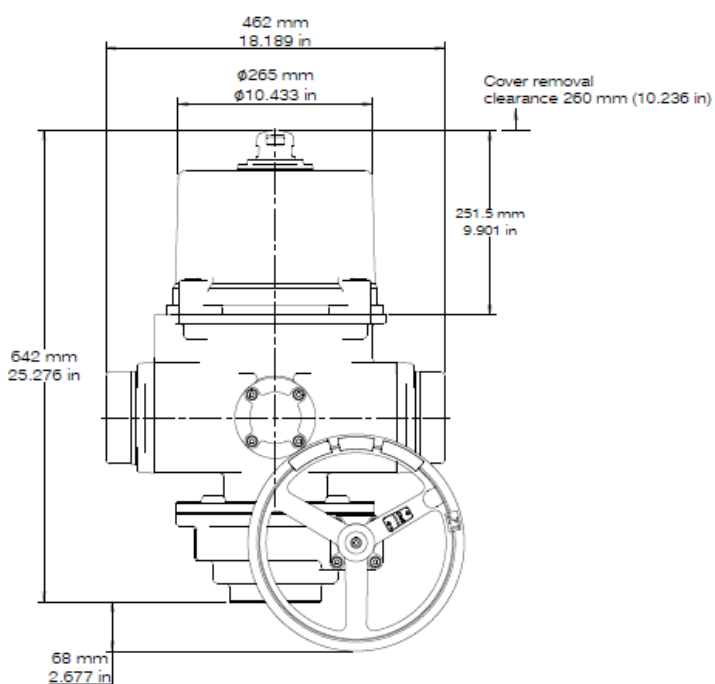
1. 'N' Connects to 1
2. 'L' Connects to 7
3. 'L' Connects to 3 for Open
4. 'L' Connects to 4 for Close

Outline Dimensions with Manual Override:

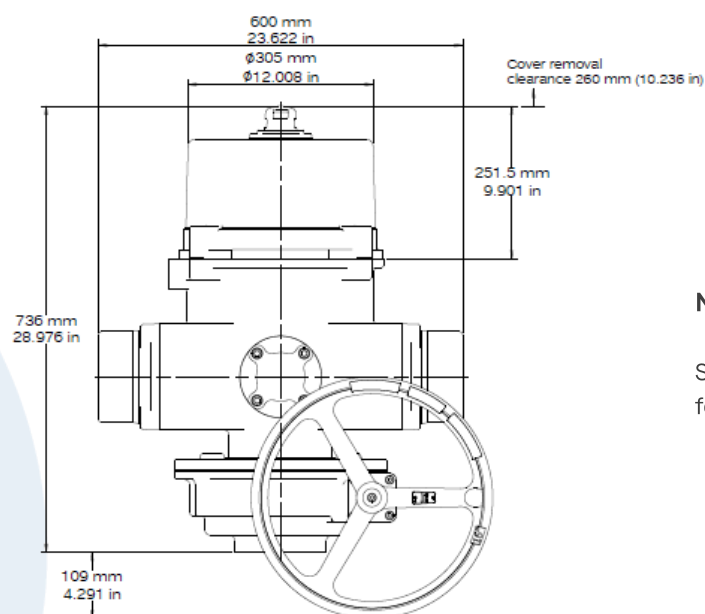
S500



S1300



S2000-S2600



Model No	Weight with Manual Override
S500	36.5 Kg
S1300	72.5 Kg
S2000	133 Kg
S2600	133 Kg

Note:

Speak to us about our ATEX Versions for the Spring Return Series.

