

RCS Actuators

Sure 150

Spring Return Electric Actuator

RCS Actuators provide a complete line of fail-safe, spring-return electric actuators to the automation market. The RCS SurePower line offers the Sure 150 Spring-return actuator, offering the following features:

- Spring-ending torque of 1,800 inch-pounds (204 Nm), and available in either clockwise or counter-clockwise spring fail rotation. The spring is made from heat treated steel. Xylan® coated for corrosion resistance.
- Enclosure is rated for NEMA 4X and NEMA 6 environments (IP 66 and IP 67), and for NEMA 7 and NEMA 9 hazardous environments (Class I, Divisions 1 & 2, Groups C & D, and Class II, Divisions 1 & 2, Groups E, F, and G).
- CSA NRTL/C Approved to UL Standard No. 1203, CSA C22.2 No. 25-1966, CSA C22.2 No. 30-M1986. Electrical equipment for use in Explosion-proof and Dust Ignition-proof Hazardous (Classified) Locations.
- CSA NRTL/C Approved to UL Standard No. 508, CSA C22.2 No. 14-13, Industrial Control Equipment.
- ATEX EX db IIB T5 Gb; Explosive gas atmosphere / Flameproof enclosure / Gas group IIB / Temperature code T5 / Zone 1. Ex tb IIIC TG85°C Db; Explosive dust atmosphere / dust tight enclosure / Dust group IIIC / Temp code T85°C / Zone 21. Ambient temperature range: -20°C to +65°C (-4°F to +150°F) CE Certified.
- Standard temperature range of -40°F to +150°F (-40°C to +65°C). Optional: Compliance to NFPA 130 and NFPA 502, capable of operation after exposure to ambient temperature of 482°F (250°C) for a minimum of 1 hour.
- Powder-coated enclosure and stainless steel external hardware for maximum corrosion resistance for service in the most challenging applications. Optional coatings are available for offshore or other severe conditions.

- High-visibility indicator is standard for ease of visual position monitoring.
- Thermally protected motor with Class “B” insulation standard in all models.
- Permanently lubricated geartrain eliminates the need for periodic maintenance and upkeep. Special lubricants are available for elevated or low-temperature applications.
- All gears are made from high-alloy steel, precision machined and heat treated for maximum strength and durability.
- An extensive range of control accessories are available for the Sure 150 electric actuator, including modules for analog control and network communication requirements, such as Modbus®, Profibus® DP, and DeviceNet™.



115 and 230 VAC, 1 Phase, 50/60 Hz.

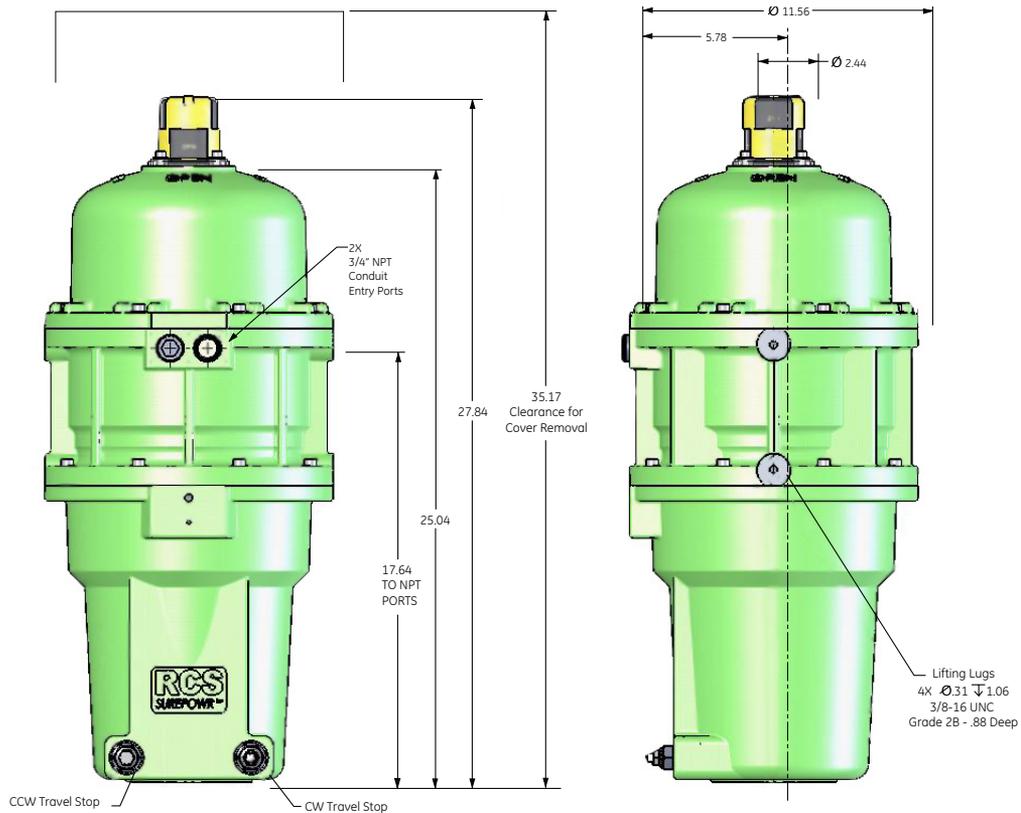
Model	Output Torque Inch Pounds (N.m)	Electrical Speed of Operation 60 Hz. (50 Hz.)	Spring Speed of Operation	Duty Cycle Rating 115 Vac	Duty Cycle Rating 220 Vac	Current Ratings 115 VAC		Current Ratings 220 VAC	
						N.L.A.*	L.R.A.*	N.L.A.*	L.R.A.*
Sure 150-15	1800 (204)	15 seconds/90° (18 seconds/90°)	5 seconds/90° (max)†	25% (1), (2)	25% (1), (2)	1.90	2.90	0.90	1.35

*(N.L.A.) - No Load Ampere (L.R.A.) - Locked Rotor Ampere (1) - Open/Close Service (2) - Open/Close or Modulating Service

† - Approximate, Based on Load

Outline Dimensions (Inches) - (Sure 150)

Weight
120 pounds/54.5 Kg

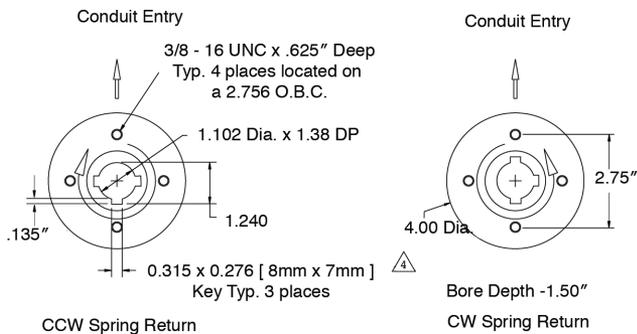


Notes

1. Direction of rotation is based on viewing actuator from top.
2. Actuator shown in power fail position.
3. Two keys are recommended for driving device.
4. Actuator suitable for mounting in any orientation.

Standard Features

- Four SPDT Limit Switches
- PTC Heater
- Motor Brake
- Position Indicator
- Adjustable Travel Stops in fail position



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