

SR & SX SERIES

200 & 300 IN-LBS, NEMA 4, 4X, 7 AND/OR 9

The SR & SX rotary electric actuators were designed for applications within 200 & 300 in-lbs of torque used in hazardous locations. They can also be used in general purpose locations when more space is needed inside the enclosure for optional equipment such as analog (4-20mA and 0-10Vdc) control, timers or speed control.



SPECIFICATIONS:

TORQUE SR 200 In-Lb (22.6 Nm)
SX 300 In-Lb (33.9 Nm)

CYCLE TIME 5 Sec./90 12Vdc, 24Vdc, 24Vac, 115Vac & 230Vac
9 Sec./90 24Vdc (alternative)
10 Sec./90 115Vac extended duty motor (75%)

DUTY CYCLE 25% standard on 115Vac and 230Vac
75% optional on 115Vac extended duty motor
100% standard on 12Vdc, 24Vdc and 24Vac

MOTOR Permanent split capacitor (for AC) with thermal overload protection

CURRENT RATINGS FL= Full Load, LR= Lock Rotor

115VAC (Std.)		24VAC		24VDC		12VDC		208VAC/1PH/60HZ		230VAC/1PH/60HZ	
FL	LR	FL	LR	FL	LR	FL	LR	FL	LR	FL	LR
0.38	0.75	0.70	3.20	0.70	3.20	1.30	4.20	0.28	0.35	0.25	0.35

The motor's LR amps must be taken into account when sizing the input power supply and fuses. Slow blow fuses are recommended

CERTIFICATION CSA Master Contract 178618
LOCATION Hazardous - Class I, Division 1 & 2, Groups C & D; Class II Division 1 & 2, Groups E, F & G
CANADIAN CSA C322802 – Valves – Actuators – For Hazardous Locations CAN/CSA – C22.2 No. 139-1982; CAN/CSA – C22.2 No. 25-1966; CAN/CSA- C22.2 No. 30-M1986
UNITED STATES Class C322882 - Valves – Actuators – For Hazardous Locations - Certified to US Standards. ANSI/UL 429, Seventh Ed. – 2013; ANSI/UL 1203 Third Ed. - 2000

CERTIFIED VOLTAGES 12Vdc, 24Vdc & 115Vac
CERTIFIED TEMP. -4F (-20C) to 104F (40C)
CERTIFIED OPTIONS Enclosure Type 4, 4X, 7 or 9, One, Two or Three Auxiliary Switches, Push Knob Dec clutching Manual Override, Motor Brake for 12Vdc, 24Vdc & 115Vac, all Feedback Potentiometer options, Modulating Controls LRC, VP, VQ, VP0 & VQ0, Visual Position Indication D, DI, D3L, D3T, TX, TX0 & TQ, Additional Conduit Entry, Heater and Heater with Thermostat (For complete list of options, see option grid in catalog page 40)

COATING Thermally bonded polyester powder

INDICATOR Visual Dome Indicator
Electric Feedback from limit switches, same as operating voltage

SWITCHES Snap action SPDT, 15A @ 250Vac

LUBRICATION Grease Permanent, little or no maintenance required



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WEIGHT	15 lb (6.8 kg)
MOUNTING	Universal
MOUNTING PAD	ISO 5211 F05 BC with 14mm star drive
TEMPERATURE	-40F (-40C) to 150F (65.6C), heater & thermostat required 0F and below Optional double heater for application down to -76F (-60C)
OVERRIDE	Manual, non-declutching Declutching manual override optional DC voltage and 75% duty cycle motor must be declutching

TECHNICAL DRAWING:

