

SR & SX SERIES

200 & 300 IN-LBS, NEMA 7

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% standard on 12Vdc, 24Vdc and 24Vac, optional on 115Vac extended duty motor	
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	
APPROVED TEMP.	-4F (-20C) to 104F (40C)	
CERTIFIED OPTIONS	Enclosure Type 4, 7 & 9, One, Two or Three Auxiliary Switches, Push Knob Declutching 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 33)	
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
WEIGHT	Pound	15 (lb)
	Kilogram	6.80 (kg)



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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:

