

SR & SX SERIES

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

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
DUTY CYCLE	25% standard	on 115Vac and 230Vac
	50% optional	on 115Vac extended duty motor
	100% standard	on 12Vdc, 24Vdc and 24Vac
MOTOR	VAC:	Permanent split capacitor with thermal overload protection
	VDC:	Brush type with thermal overload protection

CURRENT RATINGS FL= Full Load, LR= Lock Rotor

115VAC (STD.)		115VAC (EXT.)		24VAC		24VDC (5 sec.)		24VDC (9 sec.)		12VDC		208VAC/1PH/60HZ		230VAC/1PH/60HZ	
FL	LR	FL	LR	FL	LR	FL	LR	FL	LR	FL	LR	FL	LR	FL	LR
1.10	1.30	0.75	1.60	1.0	4.1	1.0	4.10	0.50	1.60	2.50	4.40	0.38	0.42	0.35	0.41

EXTERNAL FUSING REQUIRED. REFER TO FL CURRENT RATINGS WHEN SIZING INPUT POWER SUPPLY & FUSES. SLOW BLOW FUSES ARE RECOMMENDED. (FOR ACTUATORS EQUIPPED WITH AN OPTIONAL HEATER: HEATER CURRENT IS NOT INCLUDED IN ABOVE FL RATINGS)

CERTIFICATION	CSA	Master Contract 178618
LOCATION	Hazardous - Class I, Division 1 & 2, Groups B, C & D; Class II Division 1 & 2, Groups E, F & G	
CANADIAN	CSA C322802 - Valves - Actuators - For Hazardous Locations CSA C22.2 No. 139, No. 25; No. 30, No. 94.2	
UNITED STATES	Class C322882 - Valves - Actuators - For Hazardous Locations - Certified to US Standards. UL 429; UL 1203: UL 50E	
CERTIFIED ENCLOSURES	NEMA 7 & 9; NEMA 4-7/9; NEMA 4X-7/9	
CERTIFIED VOLTAGES	12Vdc, 24Vdc & 115Vac	
CERTIFIED TEMP.	-4F (-20C) to 140F (60C)	
CERTIFIED OPTIONS	Enclosure Type 4, 4X, 7 or 9, One, Two or Three Auxiliary Switches, 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 available options, see the Option Grid in Product Catalog)	

ENCLOSURE COATING Thermally bonded polyester powder

INDICATOR Visual Dome Indicator or Push Knob with Pointer
 Electric Feedback from limit switches, same as operating voltage

SWITCHES Snap action SPDT, 15A @ 250Vac

LUBRICATION Grease Permanent, 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
FULL TEMP. RANGE	-40F (-40C) to 150F (65.6C), heater & thermostat required 0F and below Consult Factory for optional low temperature heater configuration for applications down to -76F (-60C)
OVERRIDE	Manual, non-declutching Declutching manual override optional DC voltage and 115VAC extended duty cycle motors must be declutching
COVER REMOVAL	Allow for 4" (101.6mm) Clearance

TECHNICAL DRAWING:

