

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 resettable fuse protection (24v only)													
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				
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		Class 3228-02 – Valves – Actuators – For Hazardous Locations CSA C22.2 No. 139, No. 25; No. 30
UNITED STATES		Class 3228-82 - 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 104F (+40C)
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:

