

SX A004 HW | Open/Close/Jog/Mod

Overview, Specifications, Dimensional Data, Materials of Construction, Wiring Diagrams

Haz Loc

Max Air Electric™

Max-Air
TECHNOLOGY

Rev: 06/21/22



Website

SX A004 HW Series Open/Close/Jog/Modulating



Overview

The SX A004 HW Series are Hazardous Location-rated spring return, quarter-turn electric industrial service actuators delivering up to 445 in-lbs torque in voltages ranging from 24VAC/VDC up through 230vac, and available in 2 position (Open/Close), Floating (Open/Close/Jog) or Modulating (4-20mA default or 2-10vdc) control schemes. (2) Form C auxiliary switches and an internal anti-condensate heater are standard. Key features include:

- 24v models operate on AC or DC power supplies
- 120vac & 230vac models operate on 50 or 60 Hz supplies
- Position indicator under glass
- ISO5211 compliant mounting with double-square drive socket
- Spring CW (standard) fail-safe positioning
- Clutch-free manual override handwheel
- IP68 standard

Options

- Spring CCW fail-safe positioning
- 3 Phase also available

HAZARDOUS LOCATION RATING

Class I, Division 1, Groups C, D T4
Class II, Division 1, Groups E, F & G T130°C
Ex db IIB T4 Gb (for Canada)
Class I, Zone 1, AEx db IIB T4 Gb (for US)
Ex tb IIIC T130°C Db (for Canada)
Zone 21, AEx tb IIIC T130°C Db (for US)
Type 4X & IP68 (72h, 7m)
(Zones 20, 21 or 22 not applicable in Canada)

Specifications

		SXTA004 HW	SXJA004 HW	SXMA004 HW
Supply	Torque Output (in-lb / Nm)	445 in-lb / 50 Nm	445 in-lb / 50 Nm	445 in-lb / 50 Nm
24V	Starting Current (A) DC/60Hz/50Hz	25.6 / 25.6 / 25.6	#N/A	#N/A
	Running Current (A) DC/60Hz/50Hz	3.5 / 4.2 / 4.3	#N/A	#N/A
	Speed (90°) sec @ rated load - DC/60Hz/50Hz	8 / 8 / 8	#N/A	#N/A
	Speed (90°) sec @ spring return	5	#N/A	#N/A
	Motor Power	50 Watts	#N/A	#N/A
	Duty Cycle	100% (EN 60034) Class A (ISO 22153)	#N/A	#N/A
120V	Starting Current (A) 60Hz/50Hz	3.1 / 3.4	3.1 / 3.4	2 / 2.2
	Running Current (A) 60Hz/50Hz	1.3 / 1.7	1.3 / 1.7	1 / 1.3
	Speed (90°) sec @ rated load - 60Hz/50Hz	8 / 9	8 / 9	7 / 9
	Speed (90°) sec @ spring return	3	3	3
	Motor Power	50 Watts	50 Watts	50 Watts
	Duty Cycle	100% (EN 60034) Class A (ISO 22153)	100% (EN 60034) Class B (ISO 22153)	100% (EN 60034) Class C (ISO 22153)
230V	Starting Current (A) 60Hz/50Hz	1.1 / 1.2	1.1 / 1.2	1.3 / 1.5
	Running Current (A) 60Hz/50Hz	0.7 / 0.6	0.7 / 0.6	0.7 / 0.8
	Speed (90°) sec @ rated load - 60Hz/50Hz	8 / 9	8 / 9	7 / 9
	Speed (90°) sec @ spring return	3	3	3
	Motor Power	50 Watts	50 Watts	50 Watts
	Duty Cycle	100% (EN 60034) Class A (ISO 22153)	100% (EN 60034) Class B (ISO 22153)	100% (EN 60034) Class C (ISO 22153)
ALL	Environmental Rating	NEMA 4/4X & IP68		
	Electrical Entry	3/4" EMT x 2		
	Control	Open/Close	Open/Close/Jog	Modulating
	Auxiliary Switch - End of Travel	(2) Form C Volt-Free, Rated 10A @ 250vac, 5A @ 30VDC		
	Ambient Operating Range	-40°F ~149°F (-40°C~65°C)		
	Humidity Range	0-95% RH		
	Altitude Limit	9850 ft / 3000 m		
	Weight (kg / lbs)	38 kg / 84 lbs		

* Models weighing over 32 kg / 70lbs must be shipped by Truck

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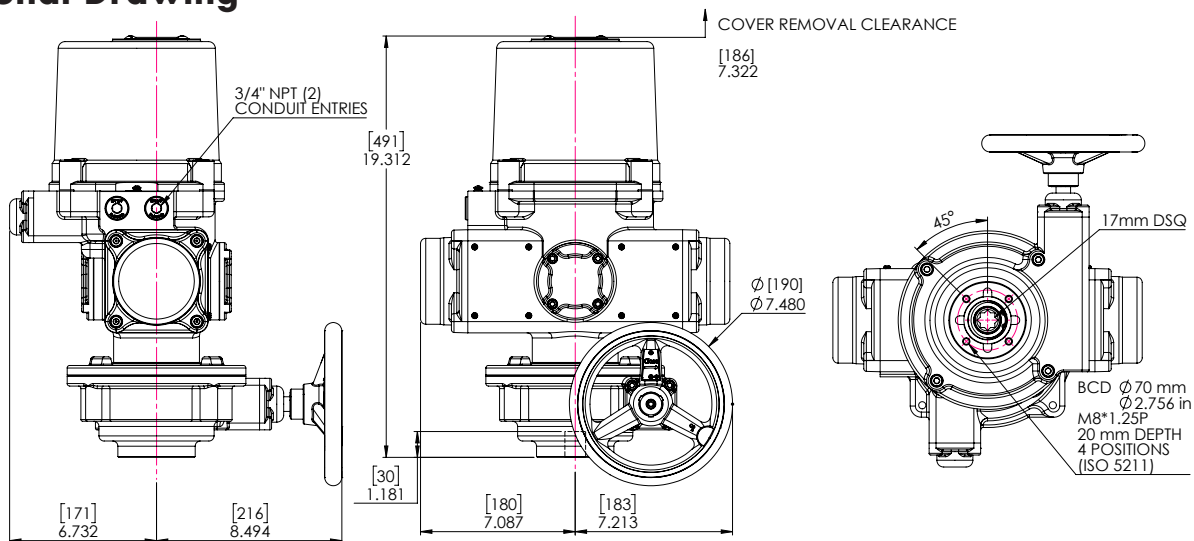
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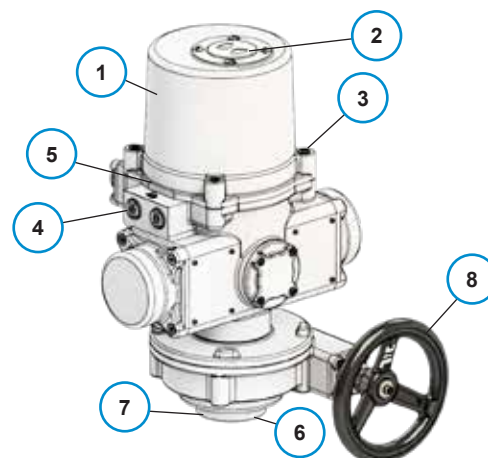
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Dimensional Drawing



Materials of Construction

#	DESCRIPTION	MATERIALS
1	Actuator	ADC12 Aluminum Alloy
2	Indicator	Soda Lime Glass
3	Cover Screw (x4)	A304
4	EMT Port Seals	Nickel plated Zinc
5	Cover Seal	NBR
6	ISO Mount Profiles	ADC12 Aluminum Alloy
7	Output Socket	Cast Iron, Hardened
8	Handwheel	Epoxy Coated Aluminum Alloy



Wiring Diagrams

Typical wiring diagram shown.

Max-Air reserves the right to change specifications through a continuous-improvement program.

Contact Max-Air for product specific wiring diagrams prior to engineering or installation efforts.

