



AOX-L

ELECTRIC ACTUATOR



WIKATÜREN

AOX-L ELECTRIC ACTUATOR

SUMMARY

AOX-L Series electric actuator is a new generation of direct travel products, we have done a lot of innovation, with three invention patents and a number of appearance and utility model patents. It uses modular design, with a wealth of expansion of the function, applicable to a variety of valves and similar products. It widely applies to petroleum, chemical, water treatment, shipping, paper making, power plant, heating, light industry and other industries. Driven by 380V/220V/110VAC power or 24V/110VDC power, inputs Switching capacity, analog quantity, or number control signal, moves valve to the right position, and achieves to automatic control. "AOX-L" series has thrust selection range, its thrust value from 800-30000NM, but also through different holders to match the corresponding valve.

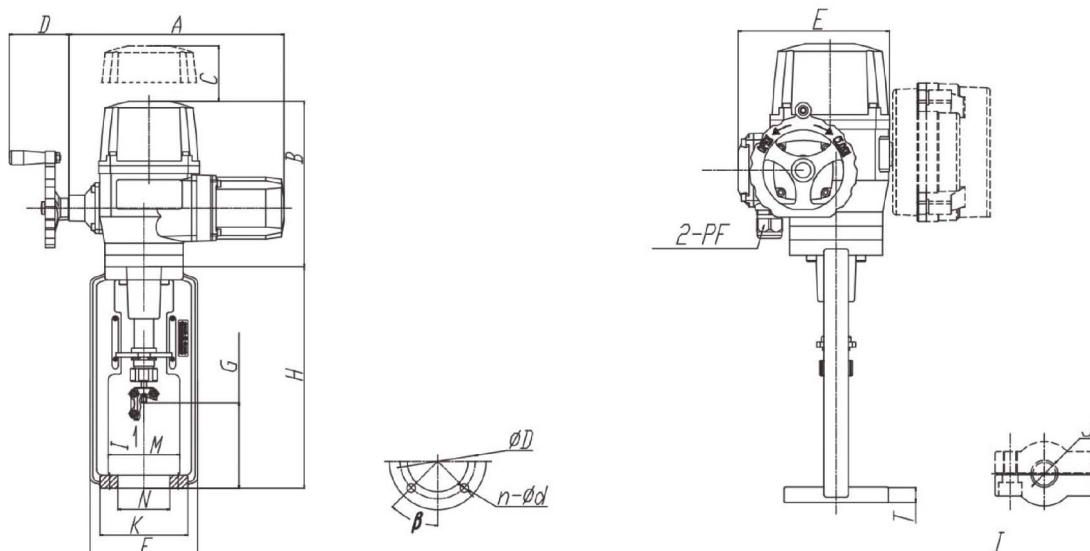
STANDARD TECHNICAL PARAMETER

Shell	Enclosure : IP65, NEMA4, NEM A6	
Power	Standard: 110/220V AC 1 Phase Optional: 80/440V AC 3 Phase	
Motor	Asynchronous motor	
Limit switch	2xOpen/Close, SPDT, 250VAC 10A	
Auxiliary limit switch	2xOpen/Close, SPDT, 250VAC 10A	
Fail safe/Operating temperature	Internal-placed thermal protection, Open 120°C ± 5°C/Close 97°C ± 5°C	
Indicator	Continuous position indicator	
Manual operate	Declutching mechanism, operate by handwheel	
Self-locking device	Self-locking by worm and worm gear	
Space heater	30W(110V/220VAC)	
Conduit entry	2xM18* 1.5	
Ambient temperature	-30°C~+70°C	
Lubrication	Grease moly(EP type)	
Material	Steel, Aluminum alloy, Aluminum bronze, Polycarbonate	
Ambient humidity	Max 90% RH	Non-Condensing
Anti-vibration	X Y Z 10g, 0.2~34 Hz, 30 minutes	
External coating	Dry powder, Epoxy polyester, high anti-corrosion	

PRIMARY PARAMETER

Model	Thrust	Speed	Max Stroke	Power	Rated Current(A)
	N	mm/s	mm	W	220V/50Hz/1PH
AOX-L-30	3000	1.5	25	30	0.31
AOX-L-50	5000	1.5	40	45	0.42
AOX-L-80	8000	1.5	60	60	0.62
AOX-L-100	10000	1.5	60	60	0.68
AOX-L-160	16000	1.5	60	90	0.85
AOX-L-200	20000	1.5	60	90	0.87
AOX-L-250	25000	1.5	100	120	1.22
AOX-L-300	30000	1.5	100	120	1.28

GENERAL DRAWING



Unit:mm

Model	A	B	C	D	E	F	G	H	K	M	N	T	β	ØD	n-Ød	J
AOX-L-20	330	254	85	92	196	165	95	255	100/125	90	60	20	0°	Ø80	2-Ø10	M15MAX OR M24MAX
AOX-L-30	330	254	85	92	196	165	95	255	100/125	90	60	20	0°	Ø80	2-Ø10	M15MAX OR M24MAX
AOX-L-50	330	254	85	92	196	165	135	320	135/155	110	80	20	45°	Ø105	4-Ø12	M15MAX OR M24MAX
AOX-L-80	330	254	85	92	196	165	140	365	155	125	95	25	45°	Ø118	4-Ø14	M15MAX OR M24MAX
AOX-L-100	330	254	85	92	196	165	140	365	155	125	95	25	45°	Ø118	4-Ø14	M15MAX OR M24MAX
AOX-L-160	381	290	85	92	231	180	135	320	135/155	110	80	20	45°	Ø105	4-Ø12	M15MAX OR M24MAX
AOX-L-200	381	290	85	92	231	180	135	320	135/155	110	80	20	45°	Ø105	4-Ø12	M24MAX
AOX-L-250	381	290	85	92	231	180	140	365	155	125	95	25	45°	Ø118	4-Ø14	M24MAX
AOX-L-300	381	290	85	92	231	180	170	490	175	125	100	25	45°	Ø130	4-Ø18	M24MAX

PERFORMANCE PARAMETER

1	Motor Power Control	Thyristor Commutate Relay Unit
2	Motor load type	S2-30min (on/off model), S4-25% (Modulation model)
3	Control signal	Input and output 4-20mADC, 1-5VDC, 0-10VDC
4	Sensitivity (dead zone)	0.3%~2.5%
5	Input/output impedance	250Ω, 750Ω
6	Set alarm signal	The phase error or loss, motor overheating protection tripping (overheat protection switch)
7	Field control	Select switch scene-stop - remote, knob: open - off, screen



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OPTION SPECIFICATION



No.	Option Scheme	Remark
1	Potentiometer unit (1K-10K)	AOX-L Series
2	Proportion control unit (control signal 4-20mA DC/1-5V/1-10V)	AOX-L Series
3	Local control units (local control open/stop/close optional switch, local/remote switch)	AOX-L Series
4	Direct current motor (24VDC)	AOX-L Series
5	Water-proof actuator (IP68, 10M, 250HR)	AOX-L Series
6	Reverse electromagnetic control and transmission of integrated motor starter	AOX-L Series
7	Electric current position sensor (output 4-20mA DC)	AOX-L Series
8	High temperature resistance actuator (-10°C~+100°C)	AOX-L Series
9	Low temperature resistance actuator (-40°C~+70°C)	AOX-L Series
10	Low speed actuator	AOX-L Series