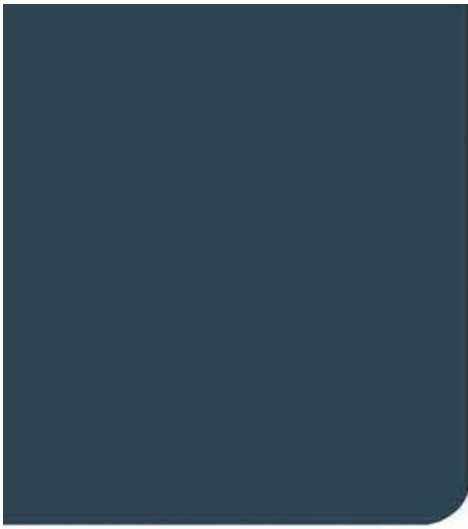


ELECTRIC ACTUATOR



CV. ALED KARYA BERSAMA





MAIN TECHNIQUE PARAMETERS

1.1 Input Signal 4-20 mA, 1-24 VDC Pulse or electrical level

1.2 Power Supply

3 Phase AC Current							1 Phase AC Current
Voltage (V)							
220:	230:	240:	380:	400:	415:	500	50
440:	460:	480:					60

1.3 Basic error < 1.0 %

1.4 Repeatability error < 1% (Range AKB & AKBQ)

1.5 Deadband 0.1% ~ 9.9% (Range AKB & AKBQ)

1.6 Ambient temperature - 40° C ~ + 70° C

1.7 Ambient humidity < 95%

MAIN CHARACTERS

- (1) Non-intrusive design
- (2) Non-intrusive debugging
- (3) Double Sealed structure
- (4) Torque protection
- (5) Limit Protection
- (6) Lose phase Protection
- (7) Electronic latching protection
- (8) Motor temperature protection
- (9) Input and output channels with photoelectricity insulation
- (10) Detect valve position by Hoare switch
- (11) Automatical phase order adjustment
- (12) Display valve position real time by the LCD
- (13) Self diagnosis function
- (14) Manipulation by the hand-wheel
- (15) Explosion proof structure with Exd II CT4
- (16) Enclosure is IP68
- (17) Low inertia and high torque motor with F degree
- (18) Worm and turbine operates in an oil bath
- (19) Standard drive interface
- (20) Non-thrust bearing configuration
- (21) Accept voltage, current and pulse signals

APPLICATION



1.1 AKB Multi-turn Actuator ON-OFF And Modulating (220VAC/50Hz/1Ph)

Output Speed (Rpm)		18	24	36	48	72	96	144	192
AKB 03	Rated torque Nm	20	20	17	15				
	Motor Power KW	0.25	0.25	0.25	0.25				
	Loked rotor Currency A	7.3	7.3	7.3	7.3				
	Rated currency A	2.1	2.2	2.4	2.4				
AKB 08	Rated torque Nm	24	24	20	17				
	Motor Power KW	0.25	0.25	0.25	0.25				
	Loked rotor Currency A	8.2	8.2	8.2	8.2				
	Rated currency A	2.2	2.2	2.4	2.4				
AKB 14	Rated torque Nm	32	28	22					
	Motor Power KW	0.25	0.25	0.25					
	Loked rotor Currency A	8.8	8.8	8.8					
	Rated currency A	2.3	2.3	2.6					
AKB 20	Rated torque Nm	81	81	81	63	63			
	Motor Power KW	0.75	0.75	0.75	0.75	0.75			
	Loked rotor Currency A	11.6	13	14.1	14.1	16.5			
	Rated currency A	3.5	3.5	3.7	3.7	3.7			
AKB 40	Rated torque Nm	142	142	127	108				
	Motor Power KW	0.75	0.75	0.75	0.75				
	Loked rotor Currency A	17.2	18.1	18.1	18.1				
	Rated currency A	4.2	4.2	4.5	4.5				
AKB 60	Rated torque Nm	252	232	184	147	109			
	Motor Power KW	2	2	2	2	2			
	Loked rotor Currency A	36	36	36	36	36			
	Rated currency A	6.2	6.6	7.5	7.5	7.8			

1.1 AKB Multi-turn Actuator ON-OFF And Modulating (380VAC/50Hz/3Ph)

Output Speed (Rpm)		18	24	36	48	72	96	144	192
AKB 03	Rated torque Nm	34	34	34	34	34	34		
	Motor Power KW	0.18	0.18	0.18	0.3	0.3	0.3		
	Loked rotor Currency A	1.4	1.8	2.3	3	3.6	3.6		
	Rated currency A	0.85	1.1	1.2	1.9	2	2.1		
AKB 08	Rated torque Nm	81	81	81	81	61	47		
	Motor Power KW	0.18	0.18	0.18	3	3.6	3.6		
	Loked rotor Currency A	2.7	3.7	4.7	6.4	6.4	6.4		
	Rated currency A	1.6	1.7	1.9	1.7	1.8	2		
AKB 14	Rated torque Nm	108	136	102					
	Motor Power KW	0.3	0.3	0.3					
	Loked rotor Currency A	3.7	6.4	6.4					
	Rated currency A	2.1	2.7	2.7					
AKB 20	Rated torque Nm	203	203	203	203	176	142	120	
	Motor Power KW	0.75	0.75	0.75	0.75	1.1	1.1	1.1	
	Loked rotor Currency A	6.8	9.25	10.25	13.4	16	16	16.5	
	Rated currency A	3.4	3.4	3.4	3.4	5.6	5.8	5.8	
AKB 30	Rated torque Nm	350	300	250					
	Motor Power KW	1.1	1.1	1.1					
	Loked rotor Currency A	12.5	12.5	13.5					
	Rated currency A	4.1	4.1	4.1					
AKB 40	Rated torque Nm	400	400	298	244				
	Motor Power KW	1.1	1.1	1.1	1.5				
	Loked rotor Currency A	13.4	16	16	16				
	Rated currency A	6.1	6.1	6.1	6.1				
AKB 60	Rated torque Nm	610	610	542	474	474	366	275	
	Motor Power KW	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	Loked rotor Currency A	18	25	28	29	41	37	43	
	Rated currency A	8.6	8.6	8.6	11.9	12	12.1	12.1	

1.2 AKB Multi-turn Actuator ON-OFF And Modulating (380VAC/50Hz/3Ph)

Output Speed (Rpm)		18	24	36	48	72	96	144	192
AKB 100	Rated torque Nm	1020	1020	845	680	680	542	406	
	Motor Power KW	3	3	3	5.5	5.5	5.5	7.5	
	Loked rotor Currency A	45	45	45	61	61	61		
	Rated currency A	12.6	12.6	12.6	18.5	18.5	18.5		
AKB 150	Rated torque Nm	1490	1490	1290	1020	1020	745	645	542
	Motor Power KW	3	3	3	5.5	5.5	5.5	7.5	7.5
	Loked rotor Currency A	61	61	95	95	95	95	95	95
	Rated currency A	16.2	16.2	16.2	20	22.5	26	30	30
AKB 200	Rated torque Nm	2030	2030	1700	1355	1355	1020	865	730
	Motor Power KW	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Loked rotor Currency A	78	78	78	138	138	138	138	138
	Rated currency A	30	30	32	36	36	37	37	37
AKB 201	Rated torque Nm							1355	1355
	Motor Power KW							10	13
	Loked rotor Currency A							218	218
	Rated currency A							76	88
AKB 300	Rated torque Nm		3000						
	Motor Power KW		10						
	Loked rotor Currency A		78						
	Rated currency A		38.5						

2.1 AKB Part-turn Actuator ON-OFF And Modulating (220VAC/50Hz/1Ph)

Model	Max Output Torque	Rated Torque	Travel time	Max stem of valve	Motor power	Rated ccurrency	Hand wheel number	Weight
	N.m	N.m	s	mm	W	A	n	kg
AKBQ06	60	50	17	22	15	0.53	8.5	11
AKBQ09	90	75	17	22	25	0.60	8.5	11
AKBQ15	150	125	20	22	40	0.80	10	12
AKBQ19	190	160	20	22	45	1.10	10	13
AKBQ28	280	235	25	32	50	1.20	12.5	17
AKBQ38	380	320	25	32	60	1.40	12.5	18
AKBQ50	500	420	25	32	90	1.70	12.5	19
AKBQ60	600	500	29	42	90	1.70	14.5	22
AKBQ80	800	670	29	42	140	2.00	14.5	23
AKBQ100	1000	840	29	42	180	2.40	14.5	25
AKBQ150	1500	1250	87	75	90	1.70	43.5	68
AKBQ200	2000	1670	87	75	140	2.00	43.5	70
AKBQ250	2500	2100	87	75	180	2.40	43.5	70

2.2 AKB Part-turn Actuator ON-OFF And Modulating (380VAC/50Hz/3Ph)

Model	Max Output Torque	Rated Torque	Travel time	Max stem of valve	Motor power	Rated ccurrency	Hand wheel number	Weight
	N.m	N.m	s	mm	W	A	n	kg
AKBQ06	60	50	17	22	15	0.53	8.5	11
AKBQ09	90	75	17	22	25	0.60	8.5	11
AKBQ15	150	125	20	22	40	0.80	10	12
AKBQ19	190	160	20	22	45	1.10	10	13
AKBQ28	280	235	25	32	50	1.20	12.5	17
AKBQ38	380	320	25	32	60	1.40	12.5	18
AKBQ50	500	420	25	32	90	1.70	12.5	19
AKBQ60	600	500	29	42	90	1.70	14.5	22
AKBQ80	800	670	29	42	140	2.00	14.5	23
AKBQ100	1000	840	29	42	180	2.40	14.5	25
AKBQ150	1500	1250	87	75	90	1.70	43.5	68
AKBQ200	2000	1670	87	75	140	2.00	43.5	70
AKBQ250	2500	2100	87	75	180	2.40	43.5	70

Our Project



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