



CE EAC

No. 08190322KTN.UU45



KTN
Kara Technology News

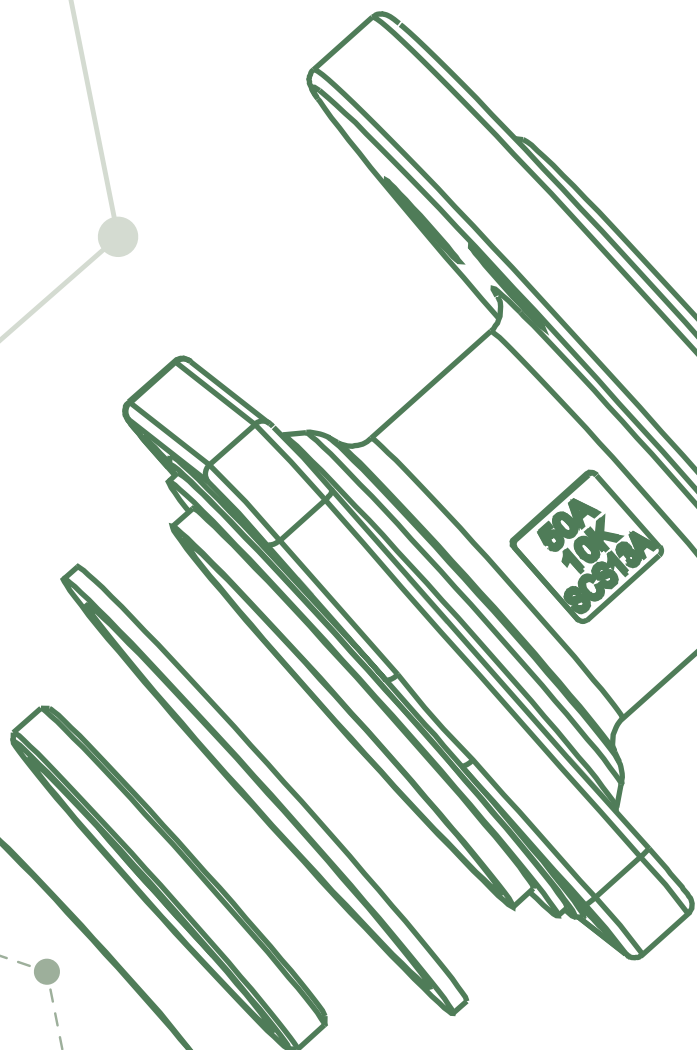
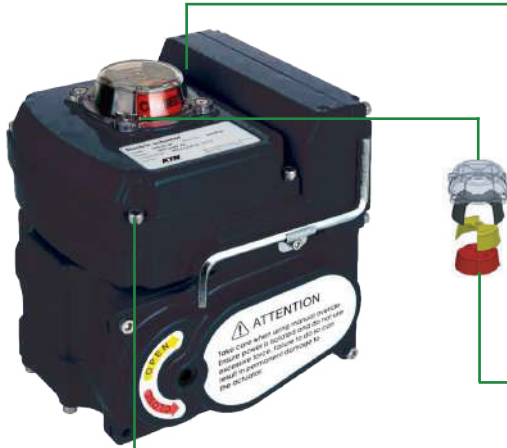


FIG. RKE ELECTRIC ACTUATOR

1/2" - 16" | MAX TORQUE: 1200 | MAX VOLTAGE: 440



1 Dome type indicator

The open & close status of the valve can be checked even from a long distance through the external position indicator.

2 Plastic intermediate cap

Even after long period of usage and exposure to sunlight, the letters are clear and visible.



3 Captive bolt

Prevents the bolt from being lost even when the cover is open for wiring.

4 Terminal Box

Easy & safe wiring is possible by opening the terminal box only. There is no need to disassemble the entire actuator body. (Except for KE002)

SELECTION GUIDE			
VALVE SIZE		BALL VALVE (2WAY/10K/#150)	BUTTERFLY VALVE(2WAY/10K/#150)
1/2"	15A	RKE002	
3/4"	20A	RKE004	
1"	25A		
1-1/4"	32A		
1-1/2"	40A	RKE005	
1-1/2"	40A	RKE006	RKE002
2"	50A	RKE008	RKE004
2-1/2"	65A	RKE010	
3"	80A	RKE016	
4"	100A	RKE028	RKE005/ RKE006
5"	125A	RKE040	RKE008/ RKE010
6"	150A	RKE050/RKE080	RKE016
8"	200A	RKE080/ RKE120	RKE028
10"	250A		RKE040/ RKE050
12"	300A		RKE080
14"	350A		RKE080/ RKE120
16"	400A		RKE120

Data contained in the Catalog may be subject to change without advance notice for improvement of performance & safety of product.
Contact us for the most recent product and technical information. Visit our website for more details :
<https://ktnvalves.com/es/valvulas-industriales/>

Q5N20 - 2AL357C14 - 0P

MODEL

2 : KE002 4 : KE004 5 : KE005
6 : KE006 8 : KE008 10 : KE010 ...

VOLTAGE

1A: 110V AC
*2A: 220V AC
3A: 380V AC
4A: 440V AC
2D: 34V DC
1M: 100 ~ 250V AC
2M: 24VAC/DC

(KE002~KE120)
(KE002~KE120)
(KE016~KE120)
(KE016~KE120)
(KE002~KE040)
(KE005)
(KE005/KE016~KE040)

Maximum range $\pm 10\%$

OPTION

Refer to option table (page 8)

A

MECHANISM

Q : Quarter turn

B

C

OPTION TORQUE

LOW TORQUE/FASTER OPERATING TIME

Refer to performance table (page 3)
Blank: Standard N20: 20Nm N100: 100Nm ...

D

E

COLOR

*L:Blue K:Black R:Red G:Grey M:Mint

F

ISO 5211

3 : F03 5 : F05 7 : F07 ...

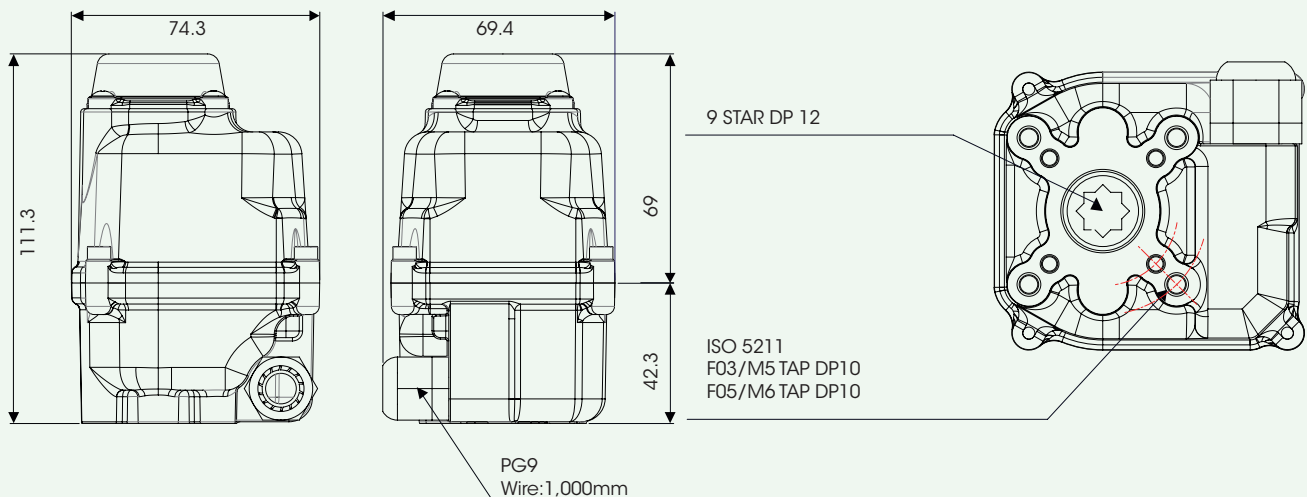
G

STEM

C11 : 11*11
C14 : 14*14 ...

H

*Standard



*Modulating control and Aux.Limit switch are released.



*SIDE INDICATOR OPTION

MODEL	MAX TORQUE (Nm)	O.P.TIME 50/60Hz (sec)	RATED CURRENT(A)		DUTYCYCLE	MOTOR CLASS/OUTPUT
			AC(1PH) 50/60Hz			
			110V	220V		
RKE001	8	14.5/12	0.1/0.09	0.07/0.06	40%	E/2W
RKE001-4N	4	7/6	0.1/0.09	0.07/0.06	40%	E/2W

MODEL	STANDARD	OPTION	WT (Kg)	AMBIENT TEMPERATURE	AUX.LIMIT SWITCHES		INTERNAL HEATER (only AC)	CABLE ENTRY
RKE002	F03/05, 11*11		0.9	-20°C ~ +60°C	RKE002	N/A (in option)	(RKE002, RKE004, RKE006, RKE008) N/A	(RKE002) Cable wire (1000mm, 6000mm in option)
RKE004	F03/05/07, 11*11	14*14	1.5		RKE004 ~ RKE120	2 each for Open and Close 250VAC/5A		
RKE005	F03/05/07, 14*14	11*11	1.3	MOTOR CONDITION	MANUAL OPERATION			
RKE006	F03/05/07, 14*14		1.9		RKE002, RKE004 RKE006	By Spanner 5 mm		
RKE008	F03/05/07, 14*14	F05/07, 17*17	2.6	Duty 40%				
RKE010	F05/07, 14*14	17*17	3.0	INDICATOR	RKE005, RKE008	By Wrench 5 mm		
RKE016	F05/07/10, 17*17		6.2		RKE010, RKE016	By Wrench 6 mm (Hand wheel in option)		
RKE028	F07/10, 22*22	F07/10/12, 27*27	8.9	Dome type mechanical indicator	RKE028, RKE040, R-KE050	By Wrench 8mm (Hand wheel in option)		
RKE040	F07/10, 22*22	F07/10/12, 27*27	9.4	TRAVEL ANGLE				
RKE050	F07/10, 22*22	F07/10/12, 27*27	9.4					
RKE080	F10/12, 36*36	F10/14, 36*36	26.0	90°+5°	RKE080, RKE120	By clutchless Hand Wheel		
RKE120	F10/12, 36*36	F10/14, 36*36	26.0					

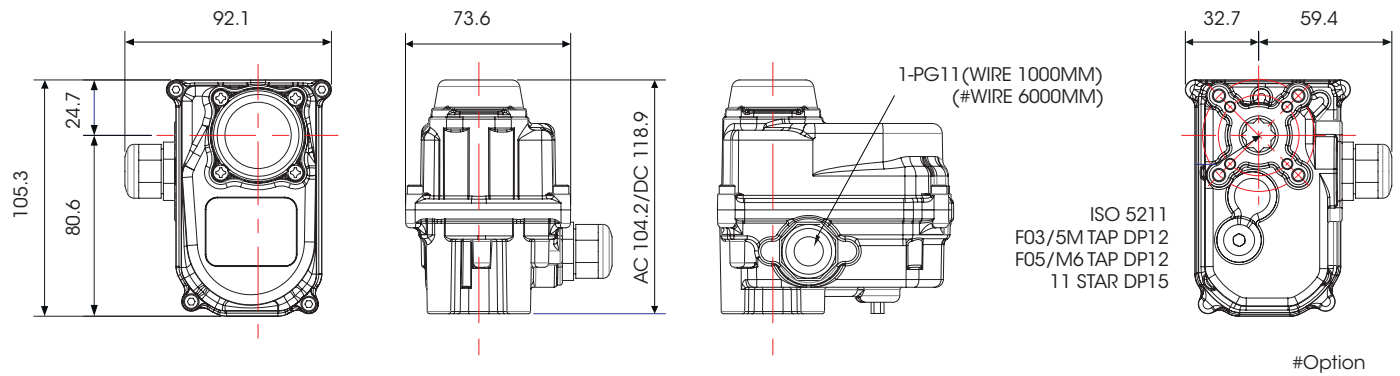
MODEL (Compact)	MAX TORQUE (Nm)	O.P.TIME 50/60Hz (sec)	RATED CURRENT(A)			MOTOR INSULATION/ OUTPUT(AC-DC)	MANUAL TURNS
			AC(1PH) 50/60 Hz		DC		
			110V	220V	24V		
RKE002	20	17.5/14.5	0.29/0.25	0.12/0.1	1.5	E-B/10W-10W	3
#RKE002-10N	10	7/6	0.29/0.25	0.12/0.1	1.5	E-B/10W-10W	3
RKE004	40	12/10	0.67/0.6	0.23/0.2	2	E-B/10W-10W	3
#RKE004-15N	15	8.5/7	0.67/0.6	0.23/0.2	2	E-B/10W-10W	3
RKE005	50	13	(100 ~ 250V AC) 0.1-0.25		2	B-B/10W-10W	18
#RKE005-20N	20	6	(100 ~ 250V AC) 0.1-0.25		2	B-B/10W-10W	18
RKE006	60	18/15	0.67/0.6	0.23/0.2	2	E-B/10W-10W	3
#RKE006-25N	25	8/6.5	0.67/0.6	0.23/0.2	2	E-B/10W-10W	3
RKE008	80	17/14	0.53/0.50	0.33/0.29	2.5	F-B/10W-10W	20
#RKE008-40N	40	8/6	0.53/0.50	0.33/0.29	2.5	F-B/10W-10W	20

MODEL (Scotch Yoke)	MAX TORQUE (Nm)			OPTIME 50/60Hz (sec)	RATED CURRENT(A)					MOTOR INSULATION/ OUTPUT(AC-DC)	MANUAL TURNS
					AC(1PHA SE)		AC(3PHA SE)		DC		
	0°	45°	90°		110V	220V	380V	440V	24V		
RKE010	100	65	100	22/18	0.82/0.75	0.42/0.40	N/A	N/A	2.5	F-B/10W-15W	15
#RKE010-80N	80	50	80	18/14	0.82/0.75	0.42/0.40	N/A	N/A	2.5	F-B/10W-15W	11
#RKE010-60N	60	40	60	11/14	0.82/0.75	0.42/0.40	N/A	N/A	2.5	F-B/10W-15W	9
RKE016	160	107	160	28/23	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/15W-15W	19
#RKE160-130N	130	85	130	22/18	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/15W-15W	16
#RKE160-100N	100	65	100	18/14	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/15W-15W	13
RKE028	280	190	280	40/33	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/15W-15W	23
#RKE028-240N	240	160	240	30/25	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/15W-15W	19
#RKE028-190N	190	125	190	24/20	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/15W-15W	15
RKE040	400	270	400	40/33	1.09/1.23	0.54/0.58	0.16/0.15	0.18/0.16	5.5	F-B/25W-40W	23
#RKE040-350N	350	240	350	30/25	1.09/1.23	0.54/0.58	0.16/0.15	0.18/0.16	5.5	F-B/25W-40W	19
#RKE040-300N	300	220	300	24/20	1.09/1.23	0.54/0.58	0.16/0.15	0.18/0.16	5.5	F-B/25W-40W	15
RKE050	500	350	500	40/33	1.55/1.75	0.72/0.90	0.30/0.28	0.40/0.30	N/A	F/40W	23
#RKE050-450N	450	310	450	30/25	1.55/1.75	0.72/0.90	0.30/0.28	0.40/0.30	N/A	F/40W	19
#RKE050-400N	400	280	400	24/20	1.55/1.75	0.72/0.90	0.30/0.28	0.40/0.30	N/A	F/40W	15
RKE080	800	540	800	51/42	1.97/2.83	1.09/1.46	0.5/0.54	0.57/0.55	N/A	F/60W	77
RKE120	1200	800	1200	51/42	1.97/2.83	1.09/1.46	0.5/0.54	0.57/0.55	N/A	F/90W	77

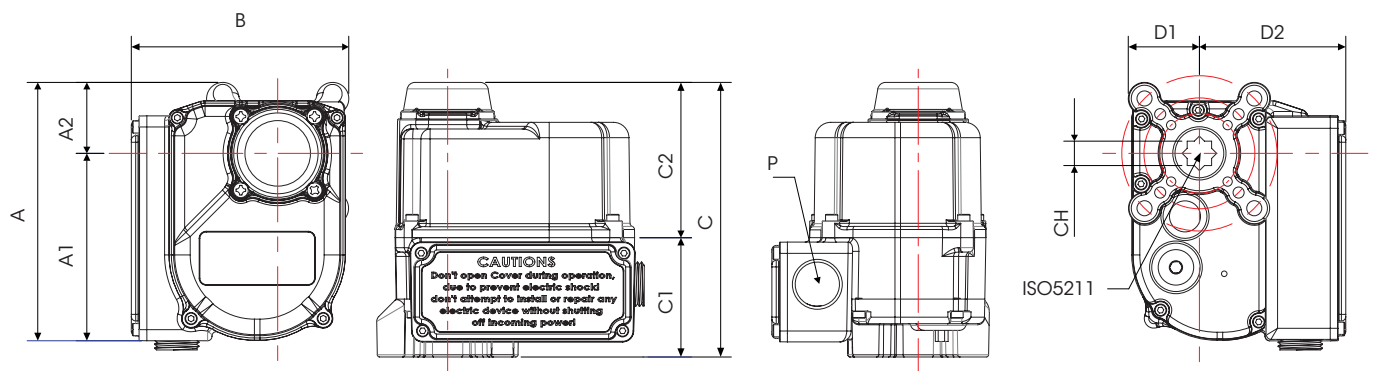
*Maximum current can be +30% from rated curre. #Option

MAIN POWER	110V/220V AC 1PH	CABLE ENTRIES	WIRE TYPE
DUTY CYCLE	40%	AMBIENT TEMPERATURE	-20°C ~+60°C
INDICATOR	DOME TYPE MECHANICAL INDICATOR (Option:Flat side indicator)	EXTERNAL COATING	POWDER COATING
MANUAL OPERATION	N/A	INSIDE HEATER	1PH 220V/110 2W (Only AC)
TRAVEL ANGLE	90°		

RKE002



RKE004/RKE006/RKE008

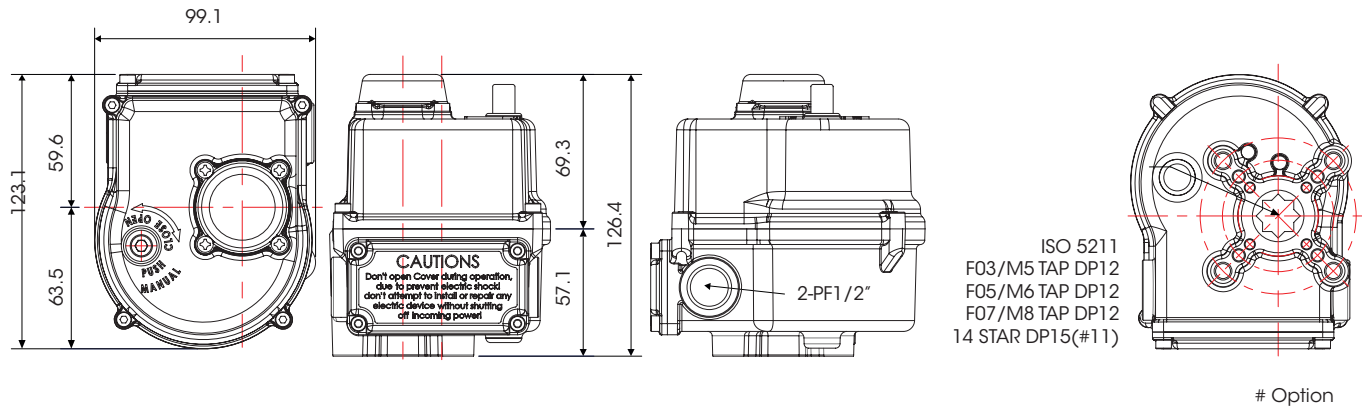


MODEL	A	A1	A2	B	C	C1	C2	D1	D2	ISO5211	P.C.D	N-M	CH	DTH	P
RKE004	116.5	32	84.5	98.1	123.8	53.8	70	32	66	F03/F05/F07	36/50/70	4-M5/M6/M8	11*11 #14*14	15 16	1-PF1/2
RKE006	122	34.2	97.9	111.3	134.5	59	75.5	39	72.3	F03/F05/F07	36/50/70	4-M5/M6/M8	14*14	16	1-PF1/2
RKE008	125.3	33.7	91.6	122.3	155.5	81.5	74	42.3	80	¹⁾ F03/F05/F07	36/50/70	4-M5/M6/M8	14*14	16	2-PF1/2
										¹⁾ #F05/07	50/70	4-M6/M8	17*17	19	

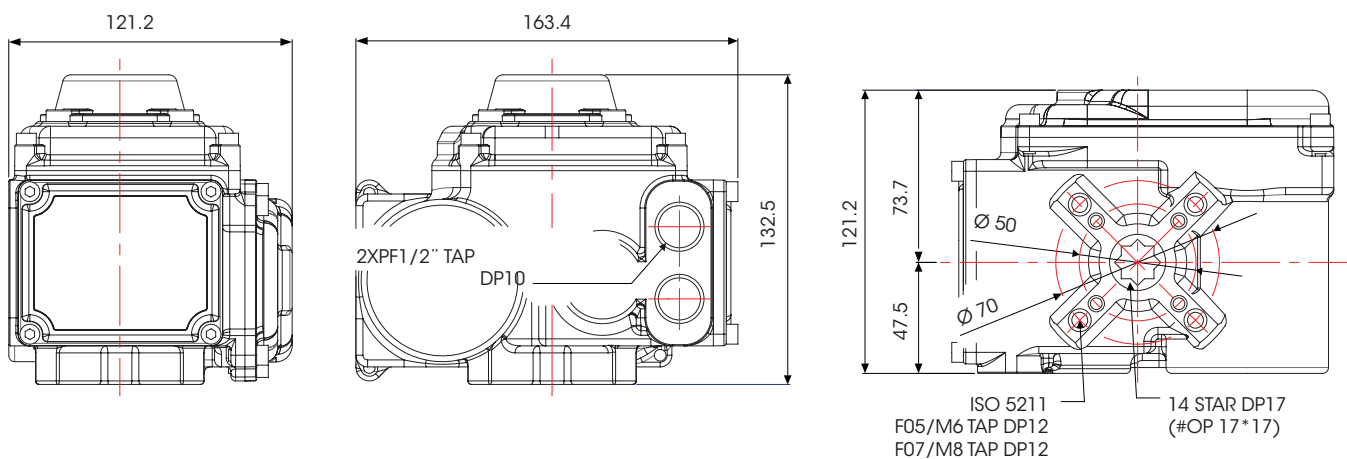
¹⁾ You can choose only F03/F05/F07 with 14*14 or F05/F07 with 17*17.

#Option

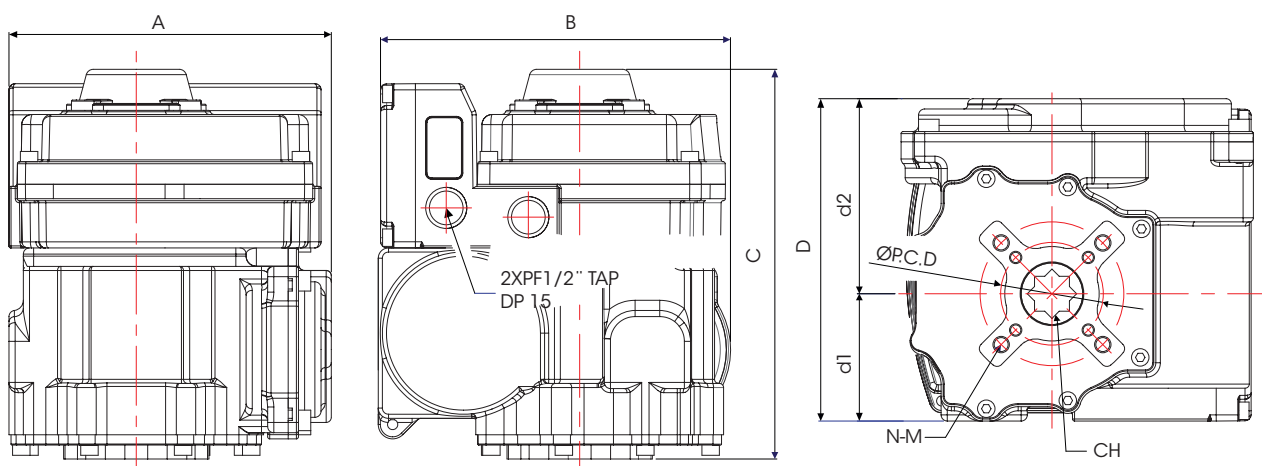
RKE005



RKE010



RKE016/KE028/KE040/KE050

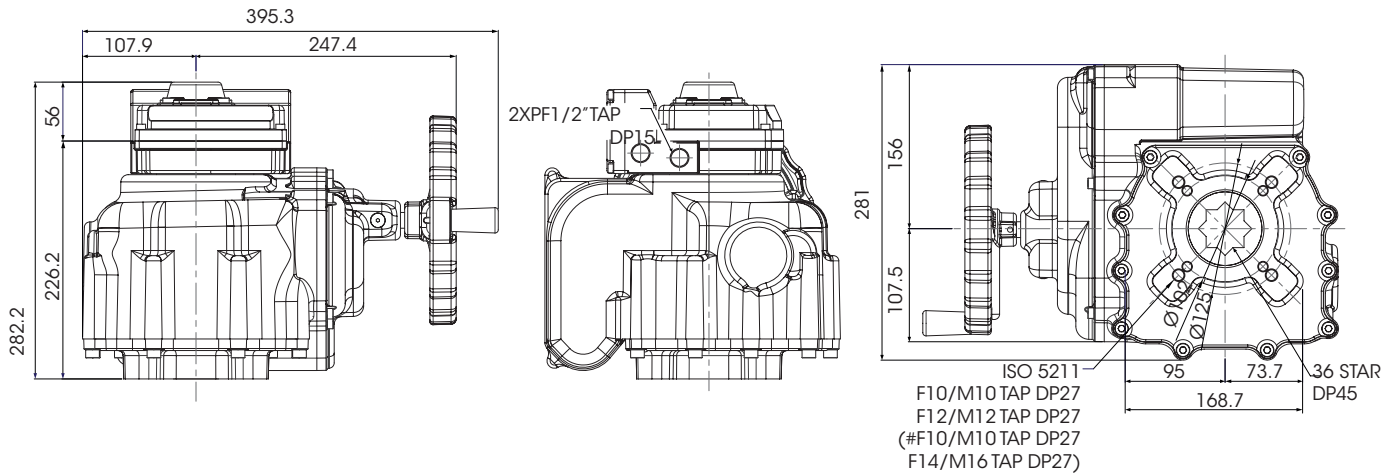


MODEL	A	B	C	D	d1	d2	ISO	P.C.D	N-M	CH	DTH
RKE016	157.0	170.5	189.8	157	62	95	F05/F07/F10	50/70/102	4-M6/M8/M10	17X17	19
RKE028							¹⁾ F07/F10	70/102	4-M8/M10	22X22	24
RKE040	181.9	208.9	209.0	181.9	73.7	108.2	¹⁾ #F07/F10/F12	#70/102/125	4-M8/M10/M12	#27X27	29
RKE050											

¹⁾ You can choose only F03/F05/F07 with 14*14 or F05/F07 with 17*17.

#Option

RKE080/RKE120



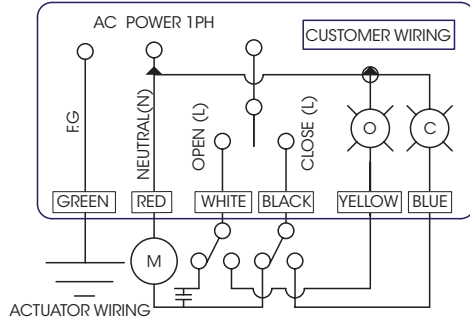
Option

1) If two or more electric actuators are operated, there must be individual relays for each actuator.

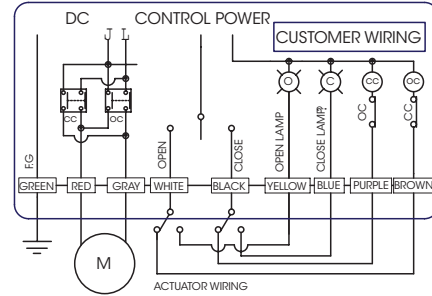
2) Each actuator should have two relays (a relay for OPEN and a relay for CLOSE) respectively.

RKE002

AC 1PH

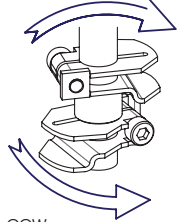


DC 24V



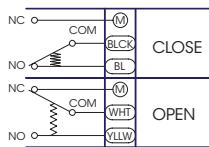
SWITCH WIRING (POSITION : FULL CLOSE)

CW
CLOSE

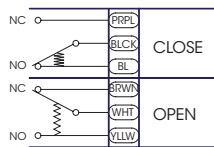


CCW
OPEN

AC 1PH(110V,220V)



DC(24V)

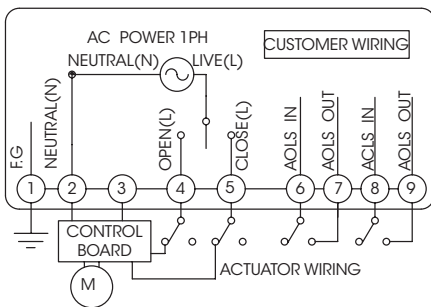


LIMIT SWITCH OPERATION

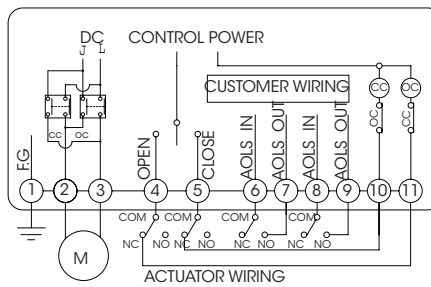
SWITCH	CLOSE	INTERMEDIATE	OPEN
CLS COM-NC			
OLS COM-NC			
OLS COM-NC			
OLS COM-NO			

RKE004/RKE005/RKE006

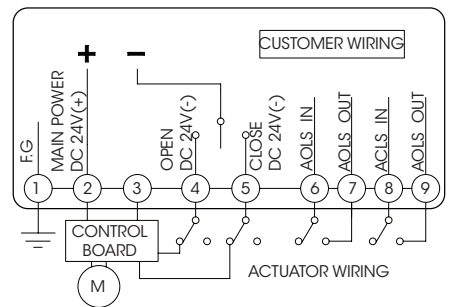
AC 1PH



DC 24V(KE004/KE006)

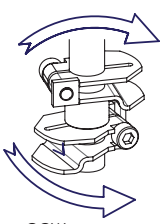


DC 24V KE005



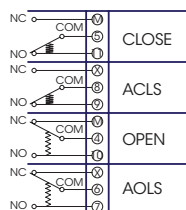
SWITCH WIRING (POSITION: FULL CLOSE)

CW
CLOSE

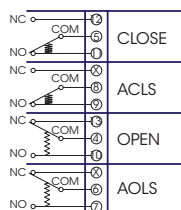


CCW
OPEN

AC 1PH(110V,220V)



DC (24V)

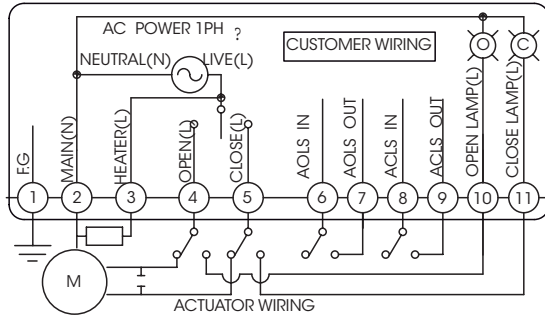


LIMIT SWITCH OPERATION

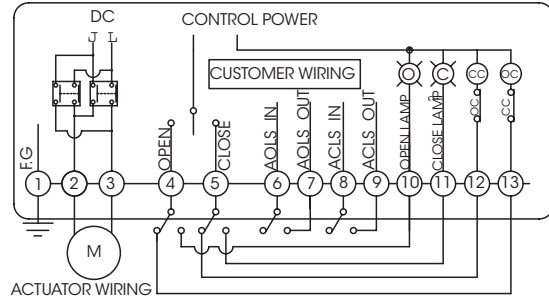
SWITCH	CLOSE	INTERMEDIATE	OPEN
CLS COM-NC			
CLS COM-NO			
ACLS COM-NC			
ACLS COM-NO			
OLS COM-NC			
OLS COM-NO			
AOLS COM-NC			
AOLS COM-NO			

RKE008 ~ RKE120

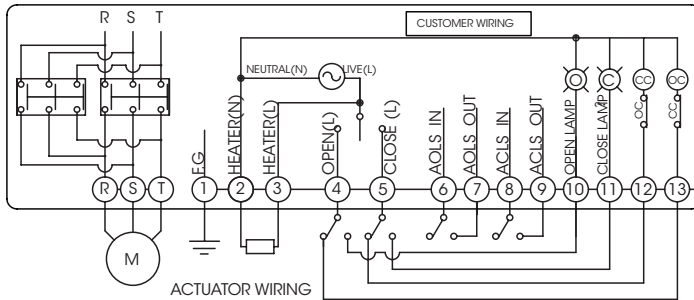
AC 1PH



DC 24V(KE008 ~ KE040)



AC 3PH(KE016~KE120)

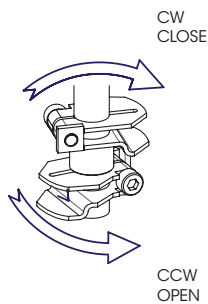


LIMIT SWITCH OPERATOPN

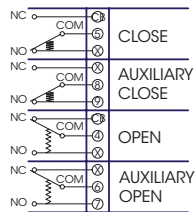
SWITCH	CLOSE	INTERMEDIATE	OPEN
CLS COM-NC			
CLS COM-NO			
ACLS COM-NC			
ACLS COM-NO			
OLS COM-NC			
OLS COM-NO			
AOLS COM-NC			
AOLS COM-NO			

SWITCH WIRING(POSITION : FULL CLOSE)

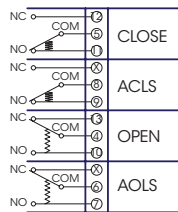
KE008



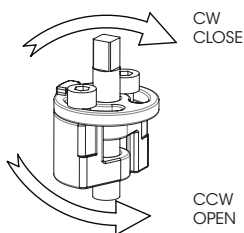
AC 1PH(110V,220V)



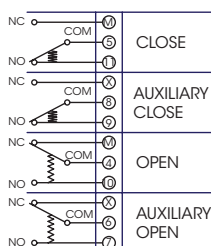
DC (24V)



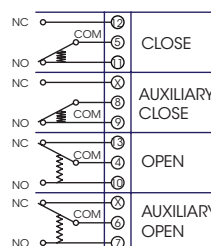
KE010 ~ KE120



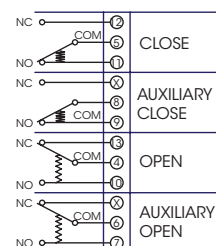
AC 1PH(110V,220V)



AC 3PH(380V,440V)



DC (24V)



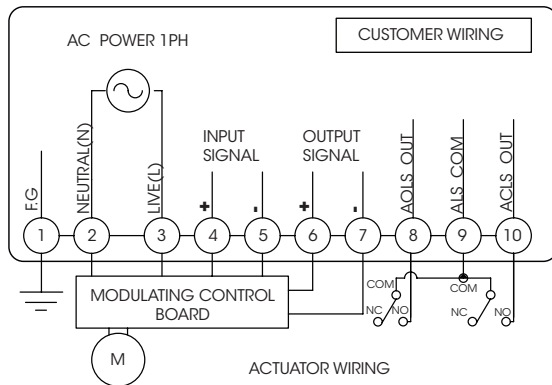
OPTION TABLE

OPTION	DESCRIPTION		MODE											
			KE002	KE004	KE005	KE006	KE008	KE010	KE016	KE028	KE040	KE050	KE080	KE120
WT	WATERTIGHT (IP685) 120hr		○	○	○	○	○	○	○	○	○	○	○	○
TS	ELECTRIC TORQUE SWITCHES				?				○	○	○	○	○	○
MC	MODULATING CONTROL (4 ~20mA)	1PH	○	○	○	○	○	○	○	○	○	○	○	○
SM	MODULATING CONTROL (4~20mA, 0~1V, 2~10V, 0~5V, 1~5V)	1PH	○	○	○	○			○	○	○	○	○	○
		24V DC	○	○	○	○	○	○	○	○	○			
LC	LOCAL CONTROL (ELECTRIC TORQUE SWITCH INCLUDED)	1PH							○	○	○	○	○	○
		3PH							○	○	○	○	○	○
LM	LOCAL AND MODULATING CONTROL (ELECTRIC TORQUE SWITCH INCLUDED)	1PH							○	○	○	○	○	○
		3PH							○	○	○	○	○	○
C2	24V DC CONTROL BOARD (2 Wire)		○	○		○								
C3	24V DC CONTROL BOARD (3 Wire)		○	○	Standard Included	○								
TP	THERMAL PROTECTION						Only AC Standard Included							
HT	HEATER				(Only AC) Standard Included		Only AC Standard Included							
TH	THERMAL PROTECTION AND HEATER		○	○		○								

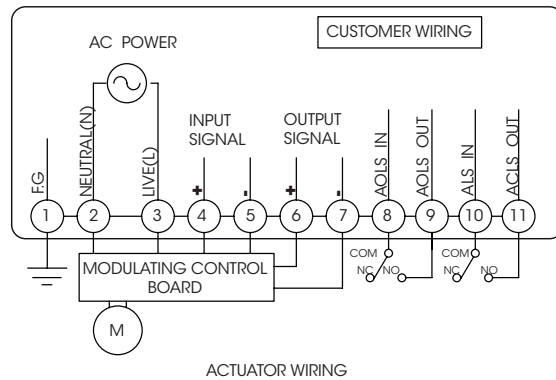
WIRING - MC&SM (MODULATING CONTROL)

*Wiring for MC and SM are the same.

AC 1PH (KE 002 -KE006)

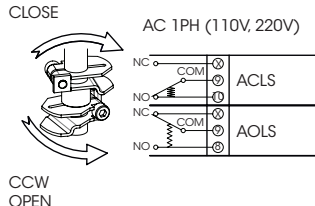


AC 1PH (KE 008 -KE120)



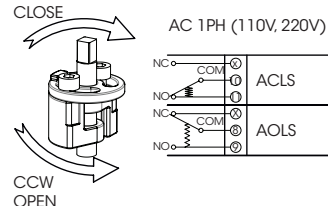
KE008

CW
CLOSE



KE010 -KE120

CW
CLOSE

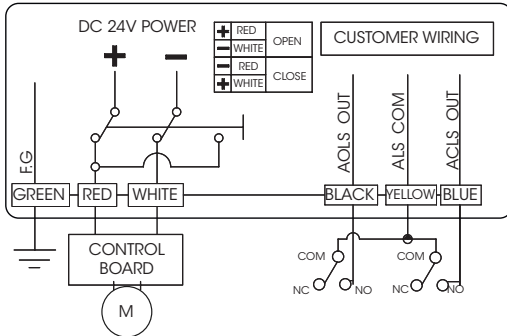


SWITCH	CLOSE	INTERMEDIATE	OPEN
CLS COM-NC			
CLS COM-NO			
ACLS COM-NC			
ACLS COM-NO			
OLS COM-NC			
OLS COM-NO			
AOLS COM-NC			
AOLS COM-NO			

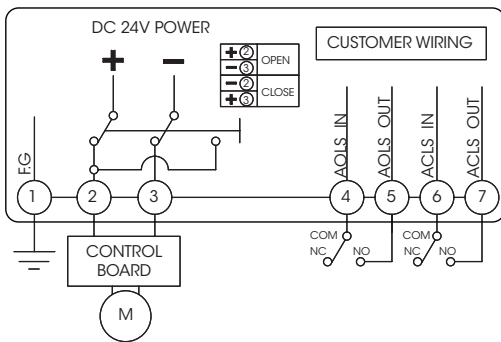
*Dimensions for models with MC option are different from standard.
(KE001, KE002, KE004, KE006, KE010-KE120)

C2 (24V DC CONTROL BOARD 2 WIRE)

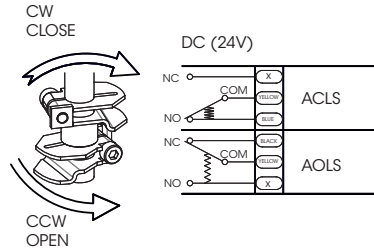
KE 002



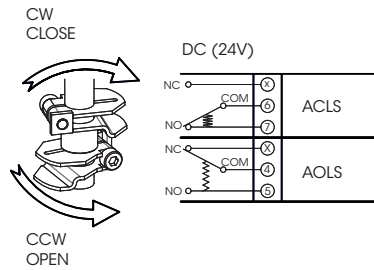
KE 004/KE 006/KE 008



SWITCH WIRING (POSITION: FULL CLOSE)

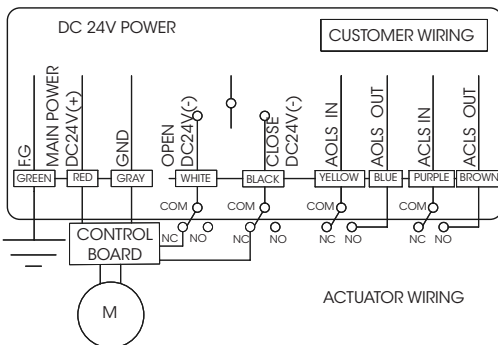


SWITCH WIRING (POSITION: FULL CLOSE)



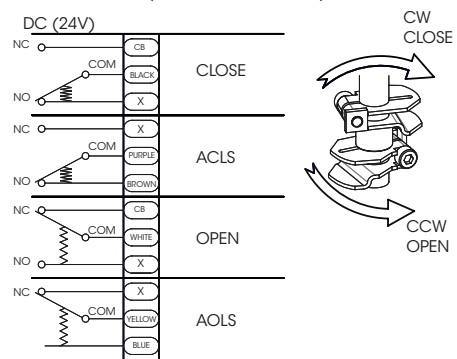
C3 (24V DC CONTROL BOARD 3 WIRE)

KE 002

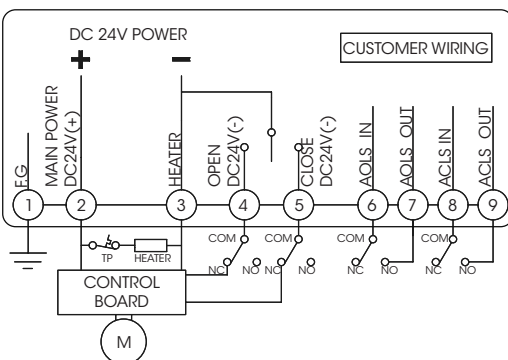


ACTUATOR WIRING

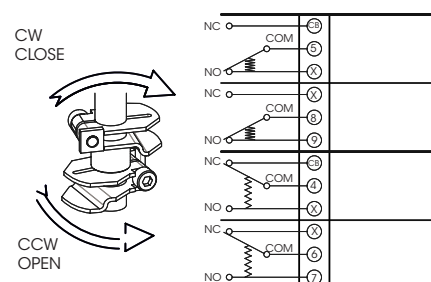
SWITCH WIRING (POSITION: FULL CLOSE)



KE 004/KE 006



SWITCH WIRING (POSITION: FULL CLOSE)



LC (LOCAL CONTROL)

MODEL RANGE	1ph Local control	
	3ph Local control	
	1ph Local control with Modulating control (Torque switch is included)	
	3ph Local control with Modulating control (Torque switch is included)	
AMBIENT TEMPERATURE	-20°C ~ +60°C	
INDICATOR	Dome type mechanical indicator	
LIMIT SWITCHES	2 Each of Open and Close 250VAC/5A	
MANUAL OPERATION	KE 016	By Wrench 6mm
	KE 028, KE 040, KE 050	By Wrench 8mm
	KE 080, KE 120	By Hand wheel
TRAVEL ANGLE	90°±5°	
CABLE ENTRY	3-PF 1/2	

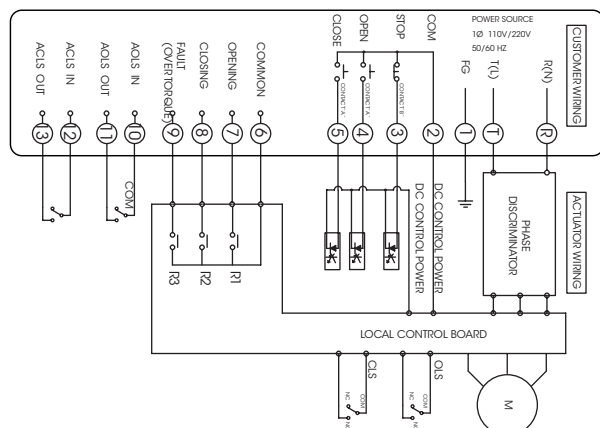


MODEL	MAX TORQUE (Nm)			OPTIME 50/60Hz (sec)	RATED CURRENT(A)					MOTOR INSULATION/ OUTPUT (AC-DC)	MANUAL TURNS
	0°	45°	90°		AC(1PH SE)		AC(3PH SE)		DC		
					110V	220V	380V	440V	24V		
RKE016	160	107	160	28/23	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/15W-15W	19
#RKE160-130N	130	85	130	22/18	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/15W-15W	16
#RKE160-100N	100	65	100	18/14	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/15W-15W	13
RKE028	280	190	280	40/33	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/15W-15W	23
#RKE028-240N	240	160	240	30/25	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/15W-15W	19
#RKE028-190N	190	125	190	24/20	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/15W-15W	15
RKE040	400	270	400	40/33	1.09/1.23	0.54/0.58	0.16/0.15	0.18/0.16	5.5	F-B/25W-40W	23
#RKE040-350N	350	240	350	30/25	1.09/1.23	0.54/0.58	0.16/0.15	0.18/0.16	5.5	F-B/25W-40W	19
#RKE040-300N	300	220	300	24/20	1.09/1.23	0.54/0.58	0.16/0.15	0.18/0.16	5.5	F-B/25W-40W	15
RKE050	500	350	500	40/33	1.55/1.75	0.27/0.90	0.30/0.28	0.40/0.30	N/A	F/40W	23
#RKE050-450N	450	310	450	30/25	1.55/1.75	0.27/0.90	0.30/0.28	0.40/0.30	N/A	F/40W	19
#RKE050-400N	400	280	400	24/20	1.55/1.75	0.27/0.90	0.30/0.28	0.40/0.30	N/A	F/40W	15
RKE080	800	540	800	51/42	1.97/2.83	1.09/1.46	0.50/0.54	0.57/0.55	N/A	F/60W	77
RKE120	1200	800	21	51/42	1.97/2.83	1.09/1.46	0.50/0.54	0.57/0.55	N/A	F/90W	77

*Maximum current can be +30% from rated current.

Option

WIRING - 1PHLC (KE016, KE028, KE040, KE050, KE080, KE120)



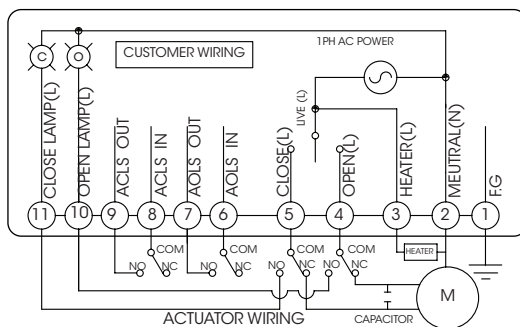
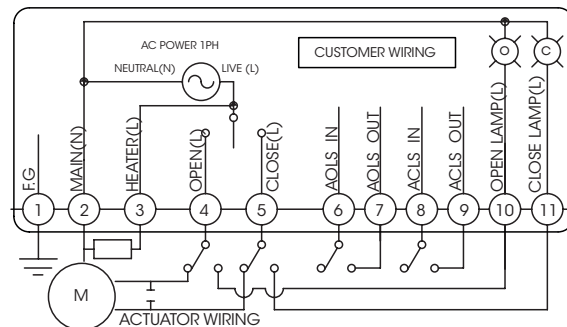
STOP: REMOTE MODE ACTUATOR STOP
 OPEN: REMOTE MODE OPEN RUNNING
 CLOSE: REMOTE MODE CLOSE RUNNING
 R1: OPENING MONITOR RELAY
 R2: CLOSING MONITOR RELAY
 R3: FAULT RELAY
 OLS: OPEN LIMIT SWITCH
 CLS: CLOSE LIMIT SWITCH

EXPLOSION PROOF



	KP yyyy(y=002,006,008,010)	KP zzzz(z=016,028,040,050)
ENCLOSURE	Ex d IIB T4 IP67	Ex db IIB T4 Gb IP67
AMBIENT TEMPERATURE	-20° ~70°C	-20° ~60°C
INDICATOR	KPF - Flat type, KPD - Dome type	
LIMIT SWITCHES	2 Each for Open and Close 250VAC/5A	
MANUAL OPERATION	By Spanner 5mm	By Declutch handwheel
TRAVEL ANGLE	90°±5°C	
CABLE ENTRY	2 - PF1/2	3 - PF1/2

MODEL	MAX TORQUE (Nm)			OPTIME 50/60Hz (sec)	RATED CURRENT(A)					MOTER CLASS/OUTPUT (AC-DC)	MANUAL TURNS
					AC(1PH SE)50/60Hz		AC(3PH SE) 50/60Hz		DC		
	0°	45°	90°		110V	220V	380V	440V	24V		
RKPx002	25			8/6.5	0.67/0.6	0.23/0.2			2	E-B/10W-10W	6
RKPx006	60			18/15	0.67/0.6	0.23/0.2			2	E-B/10W-10W	6
RKPx008	80			34/28	0.67/0.6	0.23/0.2			2	E-B/10W-10W	6
RKPx010	100			42/35	0.67/0.6	0.23/0.2			2	E-B/10W-10W	6
RKPx016	160	107	160	28/23	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/25W-40W	19
RKPx028	280	190	280	40/33	0.94/0.85	0.50/0.46	0.47/0.37	0.62/0.49	4	F-B/25W-40W	23
RKPx040	400	270	400	40/33	1.09/1.23	0.54/0.58	0.16/0.15	0.18/0.16	5.5	F-B/25W-40W	23
RKPx050	500	350	500	40/33	1.55/1.75	0.72/0.90	0.30/0.28	0.40/0.30		F40W	23

 AC 1PH
 KPxyyy(y=002,006,008,010)

 AC 1PH
 KPzzzz(z=016,028,040,050)


ISO5211 & STEM

MODEL	STANDARD	OPTION	WT(Kg)
RKE002	F03/05, 11*11		0.9
RKE004	F03/05/07, 11*11	14*14	1.5
RKE005	F03/05/07, 14*14	11*11	1.3
RKE006	F03/05/07, 14*14		1.9
RKE008	F03/05/07, 14*14	F05/07, 17*17	2.6
RKE010	F05/07, 14*14	17*17	3.0
RKE016	F05/07/10, 17*17		6.2
RKE028	F07/10, 22*22	F07/10/12, 27*27	8.9
RKE040	F07/10, 22*22	F07/10/12, 27*27	9.4
RKE050	F07/10, 22*22	F07/10/12, 27*27	9.4
RKE080	F10/12, 36*36	F10/14, 36*36	26.0
RKE120	F10/12, 36*36	F10/14, 36*36	26.0
RKP010	F03/05/07, 14*14		6.3

 OPTION
TABLE

OPTION	DESCRIPTION	MODE												
		KE002	KE004	KE005	KE006	KE008	KE010	KE016	KE028	KE040	KE050	KE080	KE120	
WT	WATER TIGHT (IP685m 120hr)	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
TS	ELECTRIC TORQUE SWITCHES							☐	☐	☐	☐	☐	☐	
MC	MODULATING CONTROL(4 ~20mA)	1PH	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
SM	MODULATING CONTROL (4~20mA,0~1V,2~10V,0~5V,1~5V)	1PH	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		24V DC	☐	☐	☐	☐	☐	☐	☐	☐				
LC	LOCAL CONTROL (ELECTRIC TORQUE SWITCH INCLUDED)	1PH							☐	☐	☐	☐	☐	
		3PH							☐	☐	☐	☐	☐	
LM	LOCAL AND MODULATING CONTROL (ELECTRIC TORQUE SWITCH INCLUDED)	1PH							☐	☐	☐	☐	☐	
		3PH							☐	☐	☐	☐	☐	
C2	24V DC CONTROL BOARD(2 Wire)	☐	☐		☐	☐	☐							
C3	24V DC CONTROL BOARD(3 Wire)	☐	☐	Standard Included	☐									
TP	THERMAL PROTECTION		☐		☐	Only AC Standard Included								
HT	HEATER			(Only AC) Standard Included		Only AC Standard Included								
TH	THERMAL PROTECTION AND HEATER	☐	☐		☐									