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规格

设计
执行器适用于球阀和蝶阀等90°旋转操作的阀门。
开关/调节型
防水防尘（IP67）
除湿加热器（30W）
过热保护（开120℃±5℃/关97℃±5℃）
机械限位（开关型）

材料
壳体：压铸铝
表面防腐：聚酯粉末涂层
外部螺栓：不锈钢

温度范围
标准型：-30℃~+75℃
低温型：-60℃~+50℃

连接
执行器安装法兰：ISO 5211
电气接口：
非防爆型：2-M18*1.5
（30N.m除外）
防爆型：2-M20*1.5

防爆及防护
防爆等级：ExdIICT5（防爆型）
防护等级：标准IP67，可选IP68

标准配制
无源触点开关（开关型）
行程指示帽
手动控制
除湿加热器（30W）
过热保护（开120℃±5℃/关97℃±5℃）

可选配置
过力矩保护（扭矩≥150N.m）
IP68防护

Specification

DESIGN
The actuator is suitable for 90° rotary operation of ball and butterfly valves.
Switch/regulator type
Waterproof and dustproof (IP67)
Dehumidifier heater (30W)
Overheating protection
(on 120℃±5℃/ off 97℃±5℃)
Mechanical limit (switch type)

MATERIALS
Housing: die-cast aluminum
Surface protection: polyester powder coating
Exterior bolt: stainless steel

TEMPERATURE RANGE
Standard type: -30℃~+75℃
Low temperature type: -60℃~+50℃

CONNECTION
Actuator mounting flange: ISO 5211
Electrical interface:
Non-explosion-proof type: 2-M18*1.5
(Except 30N.m)
Explosion-proof type: 2-M20*1.5

EXPLOSION-PROOF AND PROTECTION
Explosion-proof and protection
Explosion-proof grade: ExdIICT5
(explosion-proof type)
Protection level: Standard IP67, optional IP68

STANDARD FORMULATION
Passive contact switch (switch type)
Stroke indicating cap
Manual control
Dehumidifier heater (30W)
Overheating protection (on 120℃±5℃/ off 97℃±5℃)

OPTIONS
Over torque protection (torque ≥150N.m)
IP68 protection

型号：
KR

基本型角行程电动执行器
50Nm - 2000Nm



Type:
KR

Basic Rotary Stroke
Electric Actuator
50Nm - 2000Nm

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举例说明： 比如 KR111111
=电动执行器，24V DC，防护等级IP67，50Nm, 开关型+干接点。
执行器

1.字符 产品	2+3.字符 电压	4.字符 防爆等级	5 + 6.字符 扭矩（NM）	7.字符 附件	8.字符 备用
KR=电动执行器	1=24V DC 4=220V AC 5=380V AC	1=无 4=Exd II CT5 （50~600N.m）	10=30 17=400 11=50 19=600 12=80 20=800 13=100 21=1000 14=150 23=2000 15=200 24=3000 16=300	1=开关+干接点 2=调节型4~20mA	1=无 2=电位计1K~10K 3=电流位置传感器4~20mA 4=过载保护（200-2000NM） 6=高温100℃ 7=低温-40℃ 8=除湿保护

Ordering example: e.g. KR111111
= Electric actuator，24V DC,Protection grade IP67, 50Nm, On/off type+Limit switch
Actuator

A Type	B+C Voltage	D Explosion proof grade	E+F Torque(NM)	G Extra	H Spare
KR=electric actuator	1=24V DC 4=220V AC 5=380V AC	1=None 4=Exd II CT5 (50-600N.m)	10=30 17=400 11=50 19=600 12=80 20=800 13=100 21=1000 14=150 23=2000 15=200 24=3000 16=300	1=On/Off type +Limit switch 2=Modulante type 4~20mA	1=No 2=1K~10K potentiometer 3=Current position sensor 4~20mA 4=Overload protection (200-2000NM) 6=High temperature 100 7=Low temperature -40 8=Arefaction protect

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标准参数表（非防爆型）

开关型/调节型

扭矩(N.m)	30		50		80	
电压(V)	220		220	380	220	380
运行时间(S)	20		30		30	
额定电流(A)	0.24		0.23	0.064	0.24	0.081
电机功率(W)	8		10		10	
输出轴	Max 11*11		Max 14*14		Max 14*14	
重量(kg)	2.1		3.6		3.6	

扭矩(N.m)	100		150		200	
电压(V)	220	380	220	380	220	380
运行时间(S)	30		40		30	
额定电流(A)	0.41	0.12	0.41	0.12	0.44	0.18
电机功率(W)	15		15		60	
输出轴	Max 17*17		Max 17*17		Max 22*22	
重量(kg)	4.6		4.6		13	

扭矩(N.m)	300		400		600	
电压(V)	220	380	220	380	220	380
运行时间(S)	30		30		40	
额定电流(A)	0.48	0.23	0.54	0.17	0.57	0.15
电机功率(W)	60		60		60	
输出轴	Max 22*22		Max 22*22		Max 27*27	
重量(kg)	13.4		13.8		14	

扭矩(N.m)	800		1000		2000	
电压(V)	220	380	220	380	220	380
运行时间(S)	40		40		60	
额定电流(A)	0.91	0.72	1.18	0.72	1.3	0.72
电机功率(W)	90		90		90	
输出轴	Max 27*27		Max 27*27		Max Ø40	
重量(kg)	14.3		14.5		68	

Standard parameter table(non-explosion-proof type)

On-off type/Regulatory type

Torque (N.m)	30		50		80	
Voltage(V)	220		220	380	220	380
Running time (S)	20		30		30	
Rated current (A)	0.24		0.23	0.064	0.24	0.081
Motor power (W)	8		10		10	
Output shaft	Max 11*11		Max 14*14		Max 14*14	
Weight (kg)	2.1		3.6		3.6	

Torque (N.m)	100		150		200	
Voltage(V)	220	380	220	380	220	380
Running time (S)	30		40		30	
Rated current (A)	0.41	0.12	0.41	0.12	0.44	0.18
Motor power (W)	15		15		60	
Output shaft	Max 17*17		Max 17*17		Max 22*22	
Weight (kg)	4.6		4.6		13	

Torque (N.m)	300		400		600	
Voltage(V)	220	380	220	380	220	380
Running time (S)	30		30		40	
Rated current (A)	0.48	0.23	0.54	0.17	0.57	0.15
Motor power (W)	60		60		60	
Output shaft	Max 22*22		Max 22*22		Max 27*27	
Weight (kg)	13.4		13.8		14	

Torque (N.m)	800		1000		2000	
Voltage(V)	220	380	220	380	220	380
Running time (S)	40		40		60	
Rated current (A)	0.91	0.72	1.18	0.72	1.3	0.72
Motor power (W)	90		90		90	
Output shaft	Max 27*27		Max 27*27		Max Ø40	
Weight (kg)	14.3		14.5		68	

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标准参数表（防爆型）

开关型/调节型

扭矩(N.m)	50		80		100	
电压(V)	220	380	220	380	220	380
运行时间(S)	30		60		30	
额定电流(A)	0.23	0.064	0.23	0.1	0.40	0.11
电机功率(W)	10		10		15	
输出轴	Max 17*17		Max 17*17		Max 17*17	
重量(kg)	4.7		4.7		5.5	

扭矩(N.m)	150		200		300	
电压(V)	220	380	220	380	220	380
运行时间(S)	60		30		30	
额定电流(A)	0.40	0.12	0.48	0.28	0.52	0.29
电机功率(W)	15		60		60	
输出轴	Max 17*17		Max 27*27		Max 27*27	
重量(kg)	5.5		15		15	

扭矩(N.m)	400		600	
电压(V)	220	380	220	380
运行时间(S)	30		60	
额定电流(A)	0.59	0.3	0.52	0.28
电机功率(W)	60		60	
输出轴	Max 27*27		Max 27*27	
重量(kg)	15		15	

Standard parameter table (explosion-proof type)

On-off type/Regulatory type

Torque (N.m)	50		80		100	
Voltage(V)	220	380	220	380	220	380
Running time (S)	30		60		30	
Rated current (A)	0.23	0.064	0.23	0.1	0.40	0.11
Motor power (W)	10		10		15	
Output shaft	Max 17*17		Max 17*17		Max 17*17	
Weight (kg)	4.7		4.7		5.5	

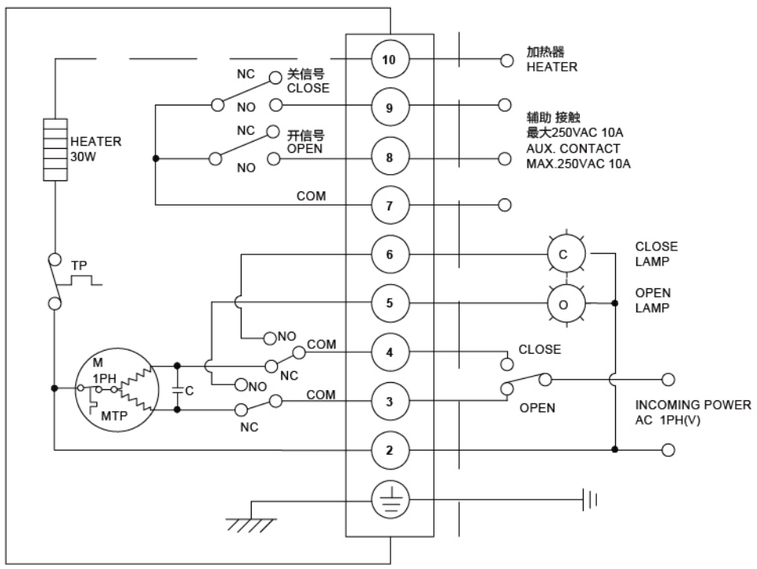
Torque (N.m)	150		200		300	
Voltage(V)	220	380	220	380	220	380
Running time (S)	60		30		30	
Rated current (A)	0.40	0.12	0.48	0.28	0.52	0.29
Motor power (W)	15		60		60	
Output shaft	Max 17*17		Max 27*27		Max 27*27	
Weight (kg)	5.5		15		15	

Torque (N.m)	400		600	
Voltage(V)	220	380	220	380
Running time (S)	30		60	
Rated current (A)	0.59	0.3	0.52	0.28
Motor power (W)	60		60	
Output shaft	Max 27*27		Max 27*27	
Weight (kg)	15		15	

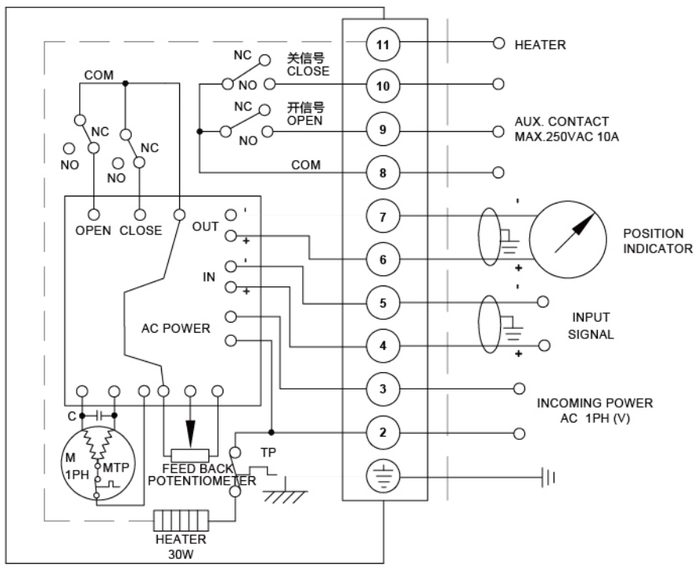
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非防爆型接线图 Common type wiring diagram

KR系列 AC220V 普通开关型
KR series AC220V common ON-OFF type

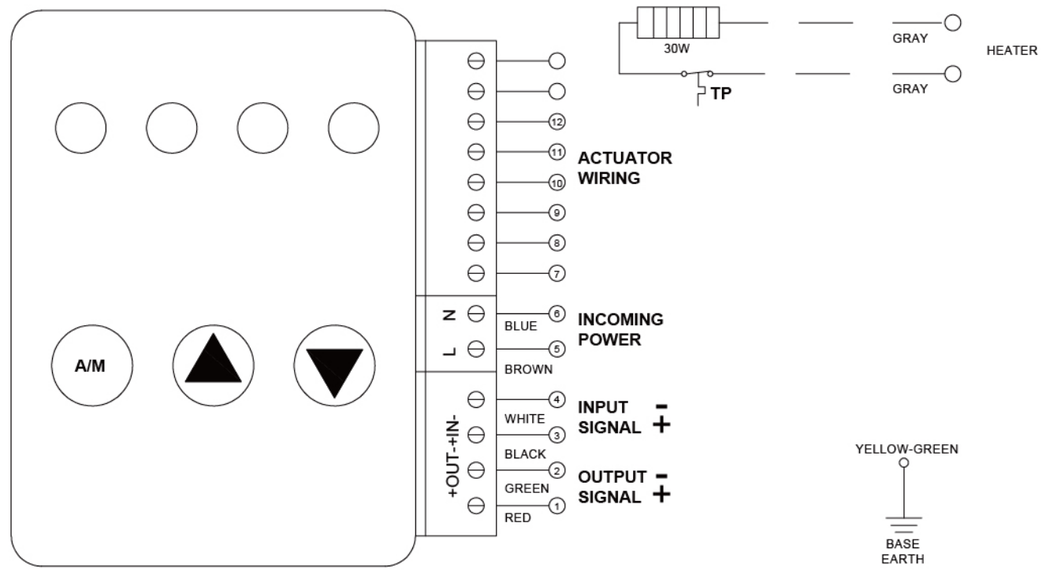


KR系列 AC220V 普通调节型
KR series AC220V common modulate type

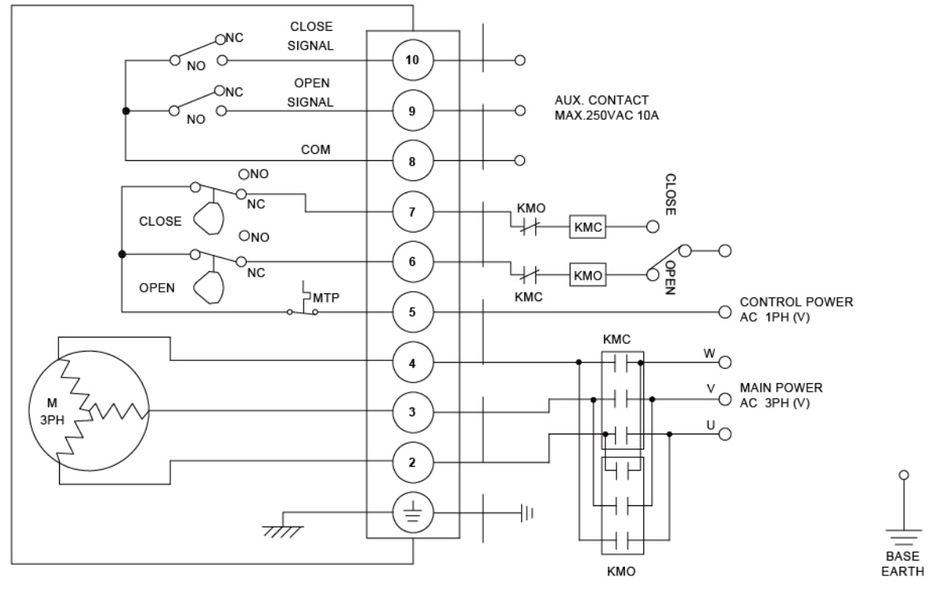


非防爆型接线图 common type Wiring diagram

KR系列30Nm 普通调节型PCU1（壳体用图）
KR-120-03 Series common common type PCU1 (Shell drawing)

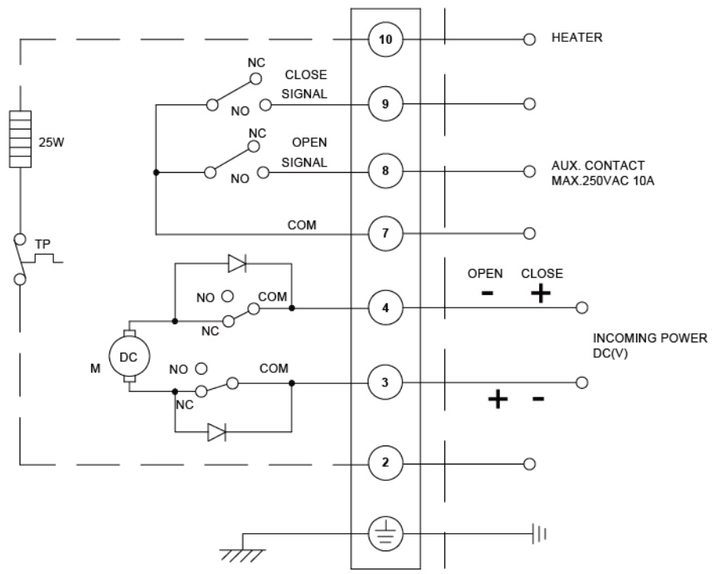


KR系列 AC380V 普通开关型
KR series AC380V common ON-OFF type

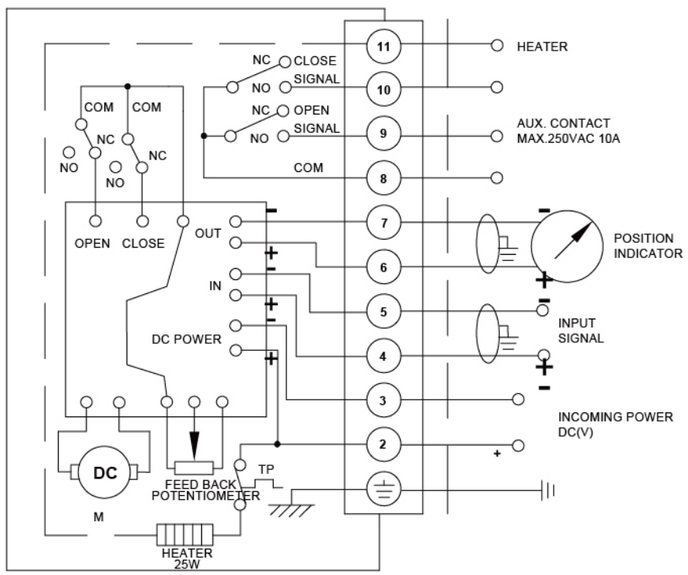


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KR系列 DC24V 普通开关型
KR series DC24V common ON-OFF type

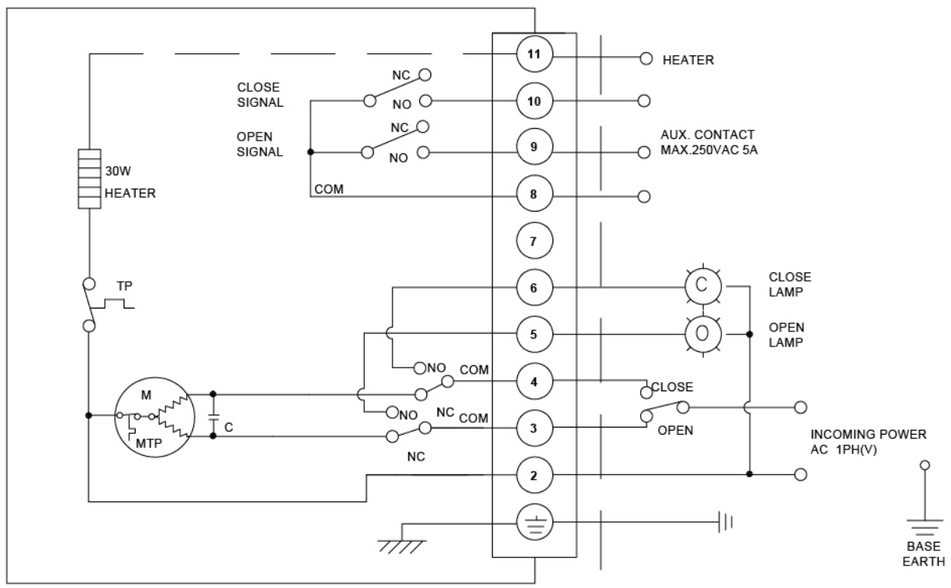


KR系列 DC24V 普通调节型PCU3
KR series DC24V common modulate type PCU3

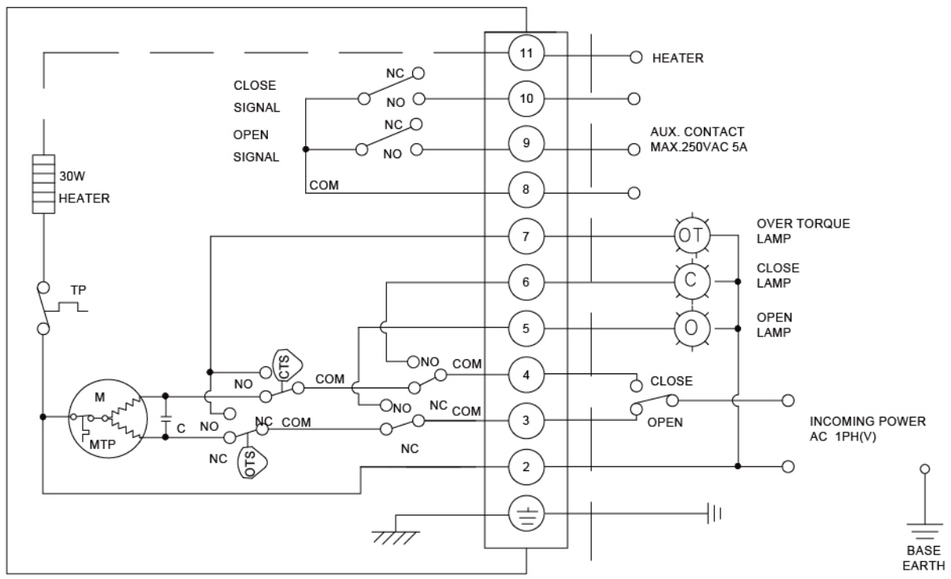


防爆型接线图 Explosion proof type Wiring diagram

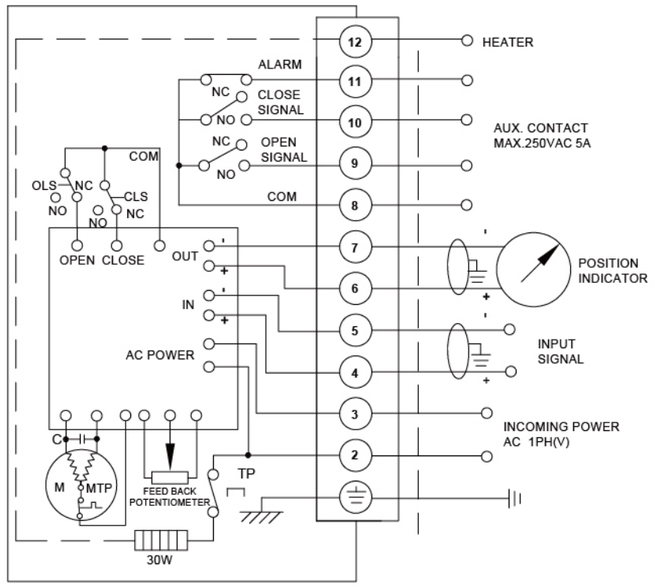
KR系列 AC220V 普通开关型(不带过力矩)
AC220V common ON-OFF type (without over-torque)



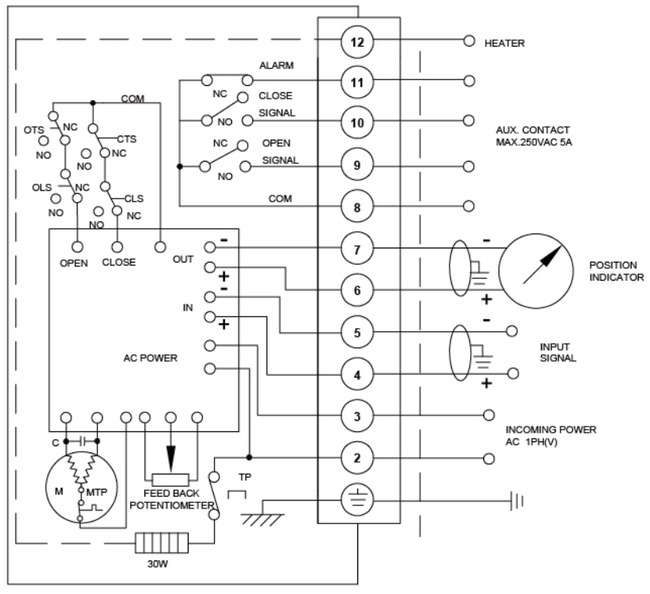
KR系列 AC220V 普通开关型(带过力矩)
KR series AC220V common ON-OFF type (with over torque)



KR系列 AC220V 普通调节型PCU1(不带过力矩)
KR series AC220V common modulate type PCU1 (without over-torque)

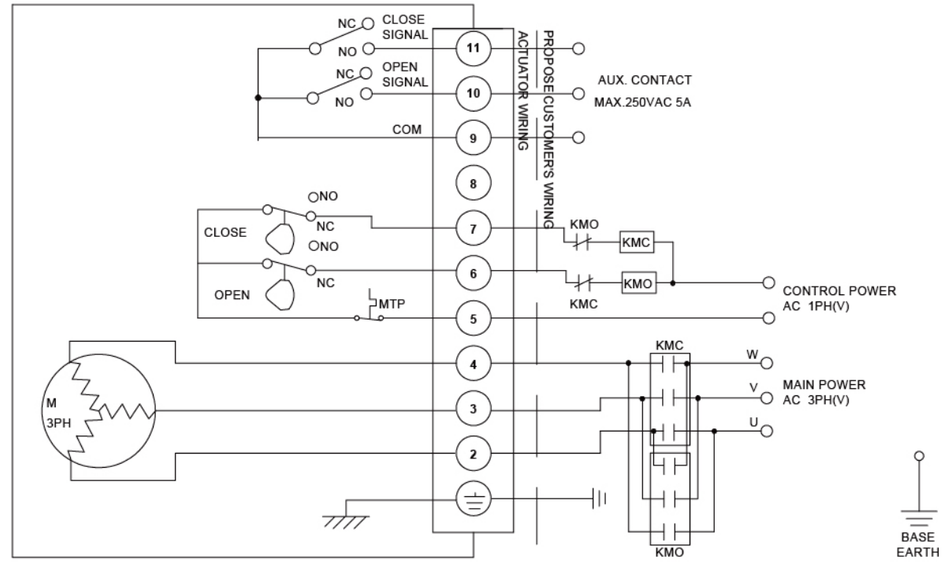


KR系列 AC220V 普通调节型PCU1(带过力矩)
KR series AC220V common modulate type (with over torque)

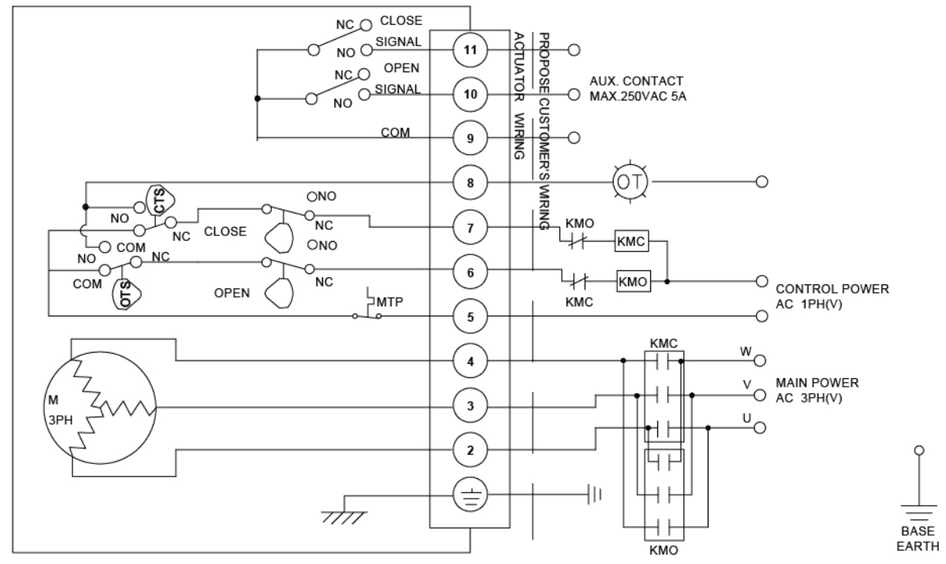


防爆型接线图 Explosion proof type Wiring diagram

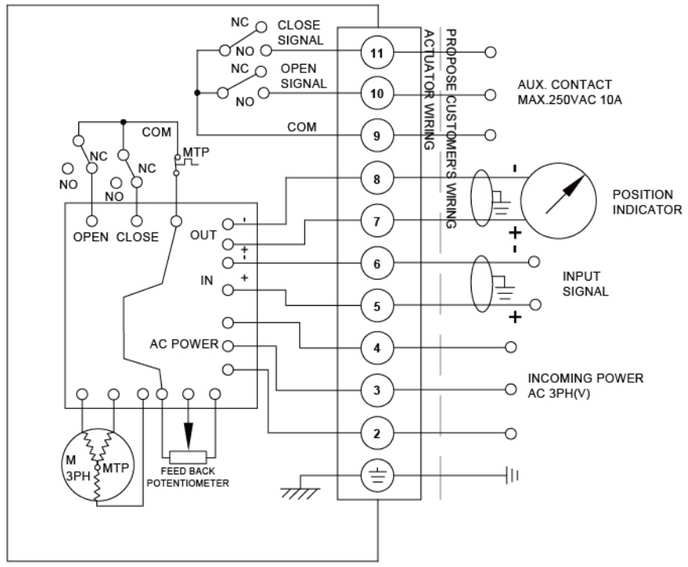
KR系列 AC380V 普通开关型(不带过力矩)
KR series AC380V common ON-OFF type (without over-torque)



KR系列 AC380V 普通开关型(带过力矩)
KR series AC380V common ON-OFF type (with over torque)

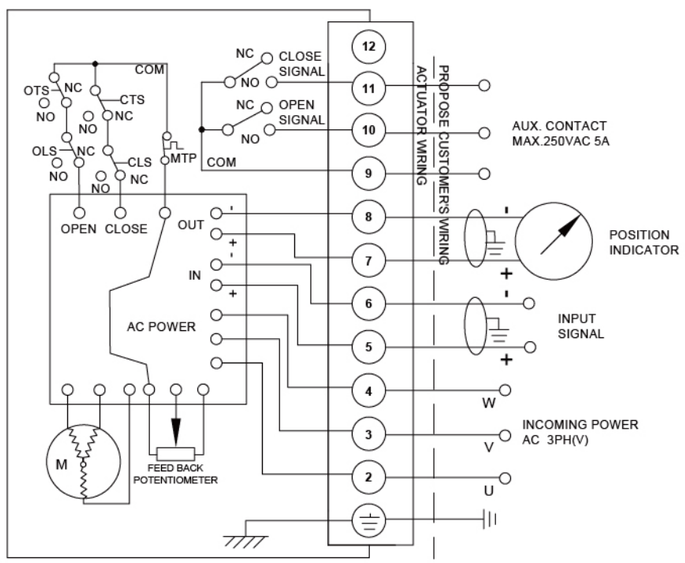


KR系列 AC380V 普通调节型(不带过力矩)
KR series AC380V common modulate type (without over-torque)





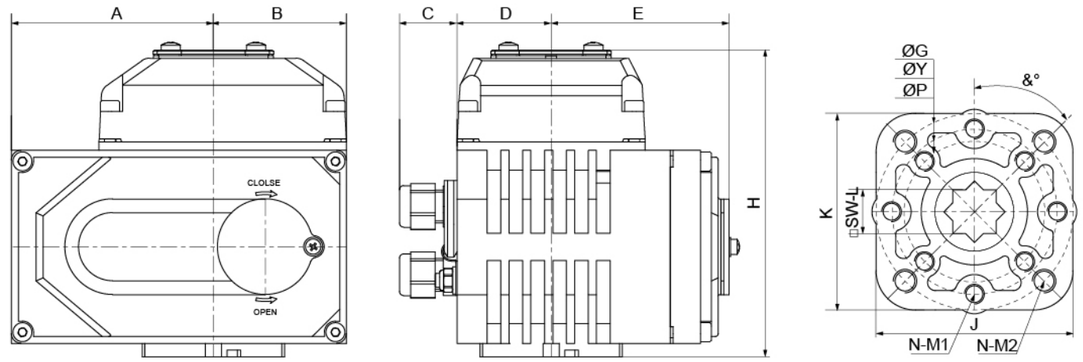
KR系列 AC380V 普通调节型PCU2(带过力矩)
KR series AC380V common modulate type PCU2 (with over torque)



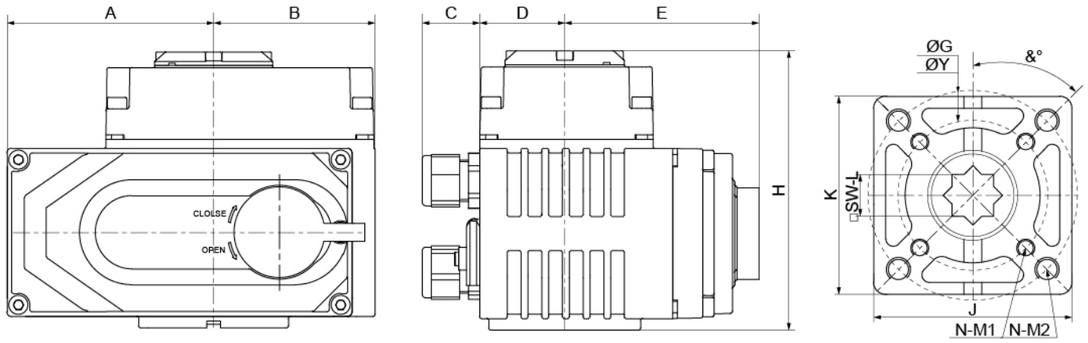


开关型电动执行器（非防爆型）Explosion proof ON-OFF type(non-explosion-proof type)

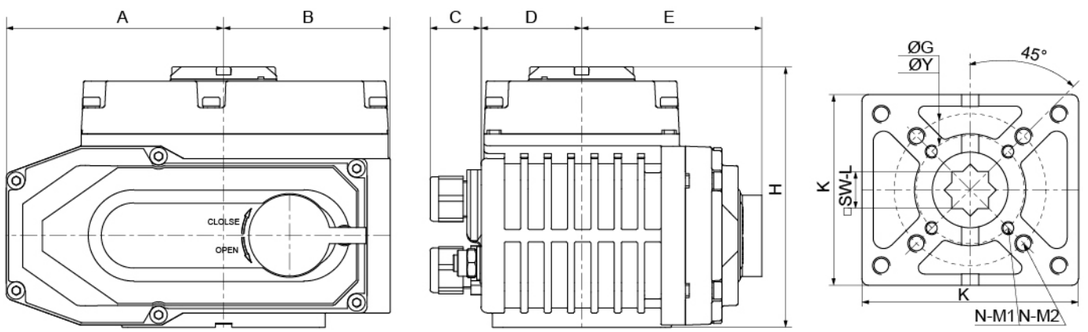
KR-30Nm



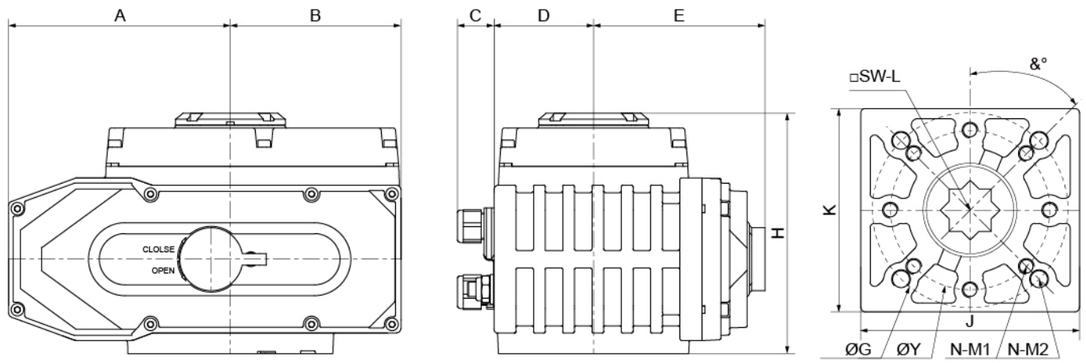
KR-50Nm/KR-80Nm



KR-100Nm/KR-150Nm



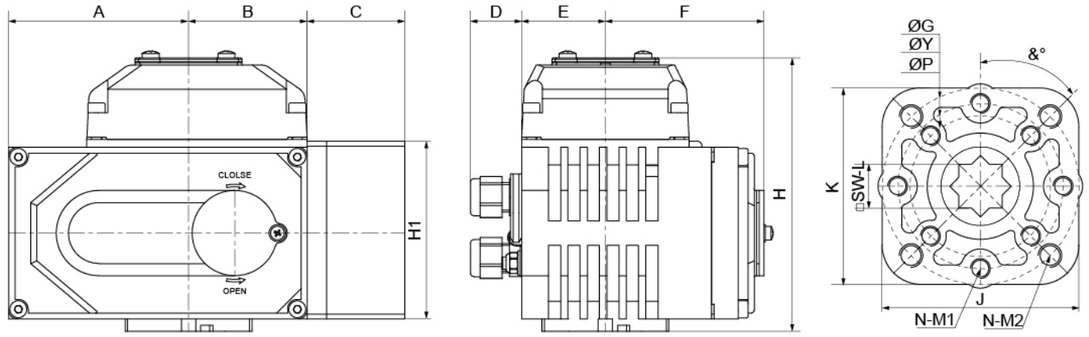
KR-200Nm/KR-300Nm/KR-400Nm/KR-600Nm/KR-800Nm/KR-1000Nm



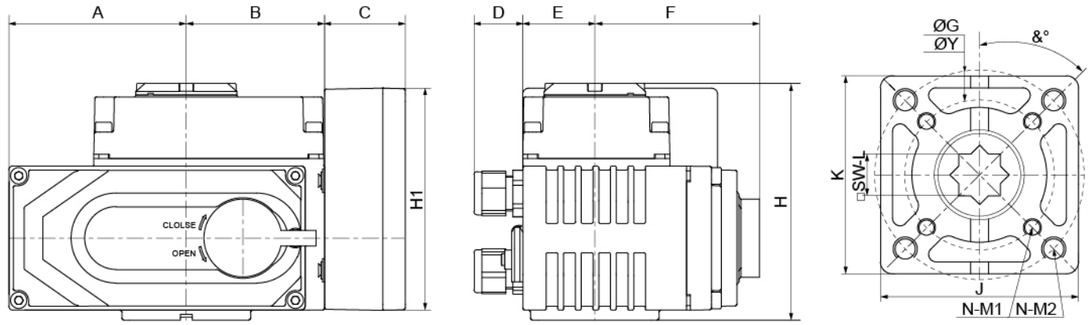
扭矩/Torque(NM)	A	B	C	D	E	H	K	J	□SW-L	ØG	ØY	&°	N-M1	N-M2	P
30	74	49	21	34	66	112	50	50	11*11	50	42	45°	8-M5	4-M	36
50	91	71	25	37	85	122	66	66	14*14	70	50	45°	4-M6	4-M8	-
80	91	71	25	37	85	122	66	66	14*14	70	50	45°	4-M6	4-M8	-
100	107	82	25	49	64	128	88	88	17*17	70	50	45°	4-M6	4-M8	-
150	107	82	25	49	64	128	88	88	17*17	70	50	45°	4-M6	4-M8	-
200	152	116	25	68	92	164	130	140	22*22	102	50	45°	8-M10	8-M12	-
300	152	116	25	68	92	164	130	140	22*22	102	50	45°	8-M10	8-M12	-
400	152	116	25	68	92	164	130	140	22*22	102	50	45°	8-M10	8-M12	-
600	152	116	25	68	92	164	130	140	27*27	102	50	45°	8-M10	8-M12	-
800	152	116	25	68	92	164	130	140	27*27	102	50	45°	8-M10	8-M12	-
1000	152	116	25	68	92	164	130	140	27*27	102	50	45°	8-M10	8-M12	-

调节型电动执行器（非防爆型）Common type modulate type size chart(non-explosion-proof type)

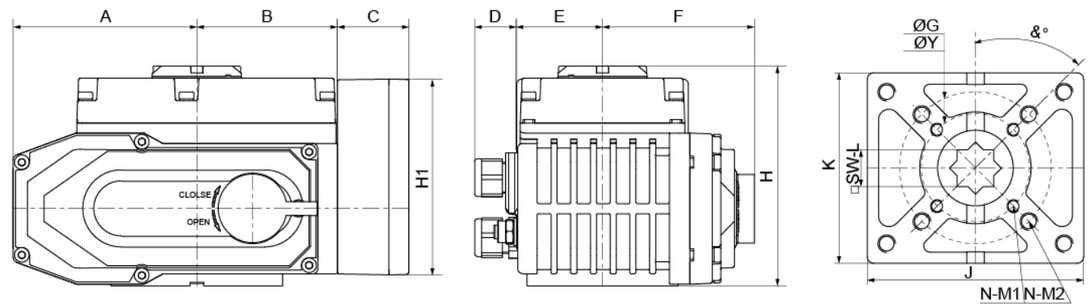
KR-30Nm



KR-50Nm/KR-80Nm

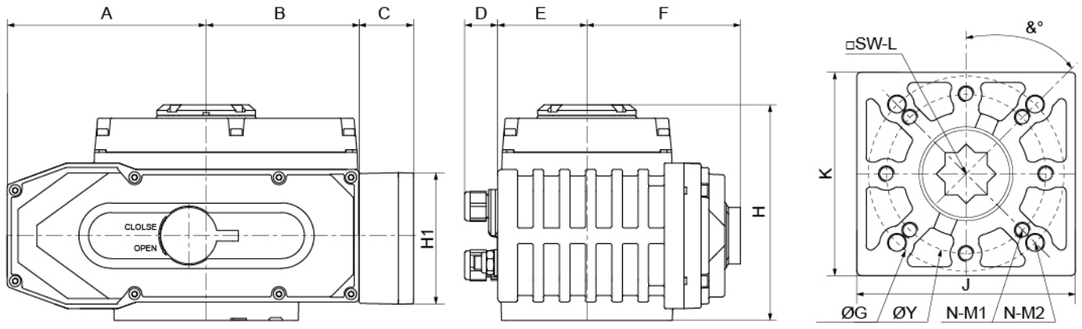


KR-100Nm/KR-150Nm



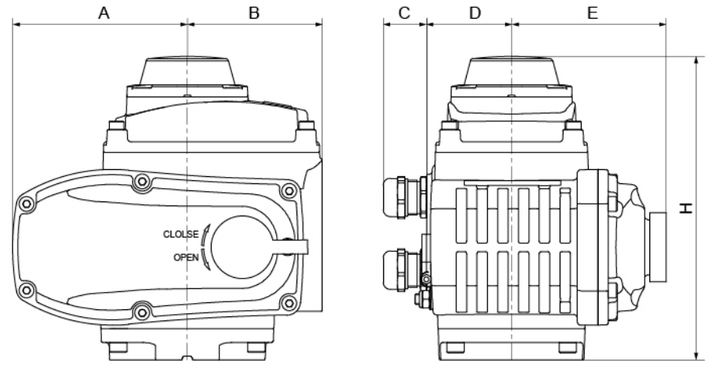
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KR-200Nm/KR-300Nm/KR-400Nm/KR-600Nm/KR-800Nm/KR-1000Nm

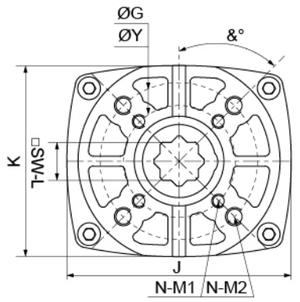


扭矩/Torque(NM)	A	B	C	D	E	F	H1	H	K	J	□SW-L	ØG	ØY	&°	N-M1	N-M2	P
30	74	49	40	21	34	45	73	112	50	50	11*11	50	42	45°	8-M5	4-M6	36
50	91	71	42	25	37	60	114	122	66	66	14*14	70	50	45°	8-M6	4-M8	-
80	91	71	42	25	37	60	114	122	66	66	14*14	70	50	45°	8-M6	4-M8	-
100	107	72	42	25	49	64	114	128	88	100	17*17	70	50	45°	4-M6	4-M8	-
150	107	72	42	25	49	64	114	128	88	100	17*17	70	50	45°	4-M6	4-M8	-
200	152	116	42	25	68	92	100	164	130	140	22*22	125	102	45°	8-M10	8-M12	-
300	152	116	42	25	68	92	100	164	130	140	22*22	125	102	45°	8-M10	8-M12	-
400	152	116	42	25	68	92	100	164	130	140	22*22	125	102	45°	8-M10	8-M12	-
600	152	116	42	25	68	92	100	164	130	140	27*27	125	102	45°	8-M10	8-M12	-
800	152	116	42	25	68	92	100	164	130	140	27*27	125	102	45°	8-M10	8-M12	-
1000	152	116	42	25	68	92	100	164	130	140	27*27	125	102	45°	8-M10	8-M12	-

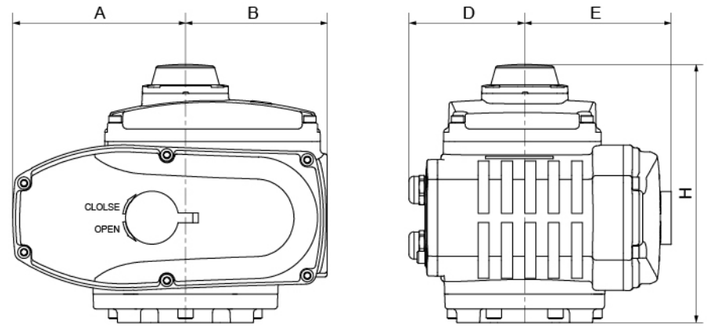
开关型电动执行器（防爆型）Explosion proof ON-OFF type(explosion-proof type)



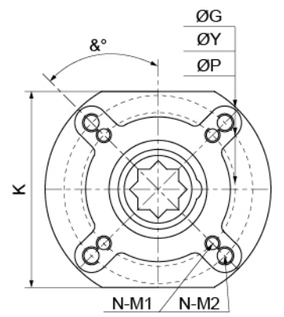
50Nm~150Nm



50Nm~150Nm



200Nm~600Nm

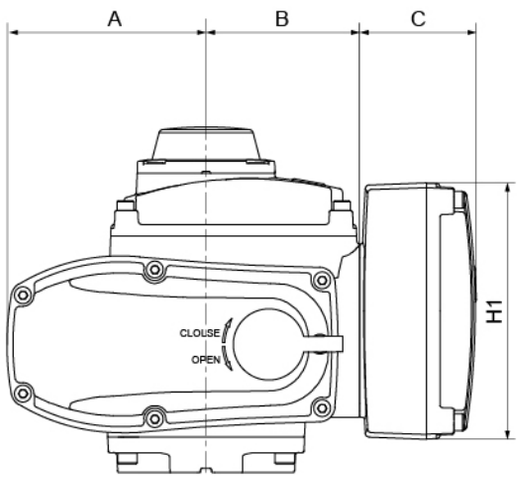


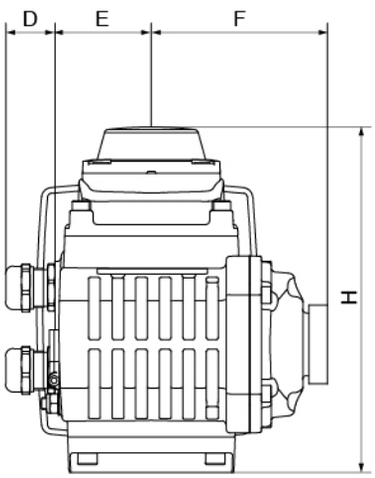
200Nm~600Nm

扭矩/Torque(NM)	A	B	C	D	E	H	K	J	□SW-L	ØG	ØY	&°	N-M1	N-M2	P
50	101	78	25	49	90	176	85	100	11-14-17	70	50	45°	4-M6	4-M8	-
80	101	78	25	49	90	176	85	100	11-14-17	70	50	45°	4-M6	4-M8	-
100	113	84	25	49.5	94.5	180	90	105	11-14-17	70	50	45°	4-M6	4-M8	-
150	113	84	25	49.5	94.5	180	90	105	11-14-17	70	50	45°	4-M6	4-M8	-
200	140	115	-	94	119	210	130	-	17-22-27	150	125	45°	4-M10	4-M12	102
300	140	115	-	94	119	210	130	-	17-22-27	150	125	45°	4-M10	4-M12	102
400	140	115	-	94	119	210	130	-	17-22-27	150	125	45°	4-M10	4-M12	102
600	140	115	-	94	119	210	130	-	17-22-27	150	125	45°	4-M10	4-M12	102

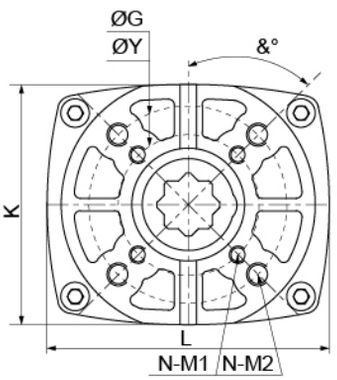
Art.KR-Series

调节型尺寸图（防爆型）Explosion proof modulate type(explosion-proof type)

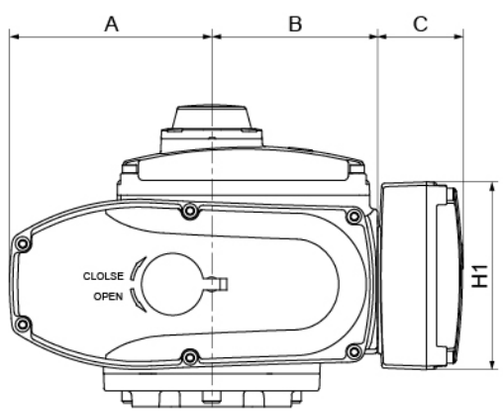


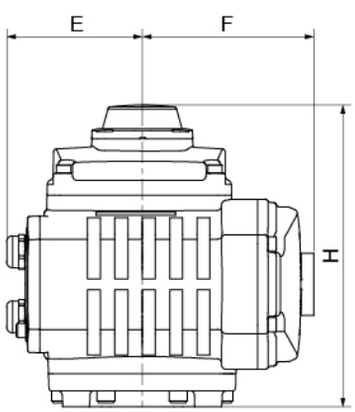


50Nm~150Nm

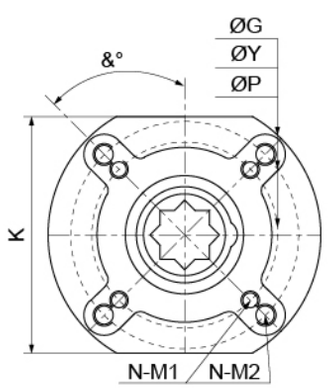


100Nm-150Nm





200Nm~600Nm



50Nm~150Nm,200Nm~600Nm

扭矩/Torque(Nm)	A	B	C	D	E	F	H1	H	K	ØG	ØY	&°	N-M1	N-M2	ØP
50	101	68	59	25	49	90	130	176	130	150	125	45°	4-M10	4-M12	102
80	101	68	59	25	49	90	130	176	130	150	125	45°	4-M10	4-M12	120
100	113	84	59	25	49.5	94.5	130	180	90	70	50	45°	4-M6	4-M8	-
150	113	84	59	25	49.5	94.5	130	180	90	70	50	45°	4-M6	4-M8	-
200	140	115	59	-	94	119	130	210	130	150	125	45°	4-M10	4-M12	102
300	140	115	59	-	94	119	130	210	130	150	125	45°	4-M10	4-M12	102
400	140	115	59	-	94	119	130	210	130	150	125	45°	4-M10	4-M12	102
600	140	115	59	-	94	119	130	210	130	150	125	45°	4-M10	4-M12	102