EICMATION®

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（2个外部调节螺栓）

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：-25℃~+70℃
低温型：-30℃~+50℃/-40℃~+50℃/
-60℃~+50℃（可选）

连接
执行器安装法兰：ISO 5211
电气接口：2×NPT3/4”

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℃）
机械限位

可选配置
过力矩保护（扭矩≥150N.m）
IP68防护
总线控制

以上信息仅供参考，本公司保留修改的权利，恕不另行通知

Specification

DESIGN
The actuator is suitable for 90° rotary operation of ball and butterfly valves.
ON/OFF,Control type
Waterproof and dustproof (IP67)
Dehumidifier heater (30W)
Overheating protection
(on 120℃±5℃/ off 97℃±5℃)
Mechanical limit (2 external adjusting bolts)

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

TEMPERATURE RANGE
Standard type: -30℃~+75℃
Low temperature type: -30℃~+50℃/-40℃~+50℃/
-60℃~+50℃(choose)

CONNECTION
Actuator mounting flange: ISO 5211
Electrical interface: 2 x NPT3/4"

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

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

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

The above information is for reference only and Eicmation reserves the right to alter without prior notice

型号:
LQ

角行程电动执行器
50Nm-8000Nm



Type:
LQ

Angle stroke electric actuator
50Nm-8000Nm

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举例说明： 比如LQ111111
=角行程电动执行器, 24V DC,Non-explosion proof,50NM,开关+干接点
执行器

1.字符 产品	2.字符 电压	4.字符 防爆等级	5.字符 扭矩(NM)	7. 字符 附件	8.字符 可选
LQ=角行程电动执行器	1=24VDC 2=24VAC 3=110VAC 4=220VAC 5=380VAC 6=400VAC 7=440VAC	1=无 2=Exd IIBT4 4=Exd IICT5	11=50 21=1000 13=100 22=1200 14=150 23=2000 15=200 25=3500 16=300 26=5000 18=500 28=8000 19=600 20=800	1=开关型 2=调节型(4~20ma) 7=机电一体化开/关 A=机电一体化控制 C=智能型Y模块（开关调节型） D=智能型S模块（开关调节型）	1=无 6=高温 100℃ 7=低温 -40℃ 9=Modbus A=Profibus B=固态继电器 D=HART L=IP68

Ordering example: e.g. LQ111111
=Angle stroke electric actuator,24VDC,Non-explosion proof,50NM,ON/OFF+Dry Contact,NONE
Actuator

A Type	B Voltage	C Explosion proof grade	D Torque(NM)	E Accessory	F Option
LQ=Angle stroke electric actuator	1=24VDC 2=24VAC 3=110VAC 4=220VAC 5=380VAC 6=400VAC 7=440VAC	1=Non-explosion proof 2=Exd IIBT4 4=Exd IICT5	11=50 21=1000 13=100 22=1200 14=150 23=2000 15=200 25=3500 16=300 26=5000 18=500 28=8000 19=600 20=800	1=On-off type 2=Regulatory type(4~20mA) 7=Mechatronics ON/OFF A=Mechatronics Control C= Intelligent Y module (switch control type) D= Intelligent S module (switching control type)	1=NONE 6=High Temperature 100℃ 7=Low Temperature -40℃ 9=Modbus A=Profibus B=Solid State Relay D=HART L=IP68

标准件技术参数

外壳	IP67(可选IP68),NEMA4 and 6	
电机电源	110/220VAC 1Phase,380/440VAC 3Phase, 50/60 Hz, ± 10%	
控制电源	220VAC 1Phase，50/60 Hz， ± 10%	
电机	鼠笼式异步电机	
限位开关	2X开(Open)/关(Close),SPDT,250VAC 10A	
辅助限位开关	2X开(Open)/关(Close)，SPDT,250VAC 10A	
扭矩开关	开(On)/关(Off)，SPDT，250VAC 10A	除LQXX11/LQXX12/LQXX13
行程	90°~270°±10°（90°以上提前说明）	0°~270°可选
失速保护/操作温度	内置热保护，开120℃±5℃/关97℃±5℃	
指示器	连续的位置指示	
手动操作	机械/手动/自动离合机构	
自锁装置	蜗轮，蜗杆机构提供自锁	
机械限位	2个外部调整螺栓	
干燥器	30W（110/220VAC）防冷凝	
接线孔	2×NPT 3/4" 可选定制：M20~M25、PG13.5、PG16、PT3/4"、PF3/4"	
环境温度	-25℃--+70℃(-30℃、-40℃、-60℃可选)	
润滑	铝基润滑脂（EP型）	
材料	钢，铝合金，铝青铜，聚碳酸酯	
环境湿度	最大（Max)90% RH	非凝结
抗震性能	X Y Z1 0g,0.2~34Hz，30分钟(minutes）	
外涂层	干粉，环氧聚酯	

Technical parameters of standard parts

Shell	Class of protection:IP67(selectableIP68),NEMA4 and 6	
Motor power supply	110/220VAC 1Phase,380/440VAC 3Phase, 50/60 Hz, ± 10%	
Control power supply	220VAC 1Phase，50/60 Hz， ± 10%	
Electric machine	Squirrel cage asynchronous motors	
Limit switch	2XOpen/Close,SPDT,250VAC 10A	
Auxiliary limit switch	2XOpen/Close，SPDT,250VAC 10A	
Torque switch	On/Off，SPDT，250VAC 10A	Except LQXX11/LQXX12/LQXX13
Travel	90°~270°±10°（90°Above mentioned in advance)	0°~270° selectable
Stall protection/operating temperature	Built-in thermal protection, on 120℃±5℃/ off 97℃±5℃	
Indicator	Continuous position indication	
Manual operation	Mechanical/manual/automatic clutch mechanism	
Self-locking device	Worm gear, worm mechanism provides self-locking	
Mechanical limit	2 external adjusting bolts	
Dryer	30W（110/220VAC）anti-condensation	
Wiring hole	2×NPT 3/4 " Optional: M20~M25, PG13.5, PG16, PT3/4", PF3/4"	
Ambient temperature	-25℃-+70℃(-30℃、-40℃、-60℃selectable)	
Lubricant	Aluminum base grease (EP type)	
Materials	Steel, aluminum, aluminum bronze, polycarbonate	
Ambient humidity	Max90% RH	non-condensing
Seismic performance	X Y Z1 0g,0.2~34Hz，30minutes	
Outer coating	Dry powder, epoxy polyester	

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主要技术参数/规格
Main technical parameters/specifications

型号 Model	最大扭矩输出 Max torque output	90°动作时间 90° Operation time			最大轴径 Max axle diameter		防护等级 IP	电机 Motor	安装尺寸 Mounting dimension	手轮转数 Number	重量 Weight
	N.M	50Hz	60Hz	DC24V	圆孔Round	方心Square	IP	W	ISO5211	N	KG
LQXX11	50	27	23	21	20	17	67/68	20	F05/F07	10	6.9
LQXX13	100	27	23	21	20	17	67/68	20	F05/F07	10	6.9
LQXX14	150	28	24	22	28	22	67/68	40	F07/F10	12	16.4
LQXX15	200	28	24	22	28	22	67/68	40	F07/F10	12	16.4
LQXX16	300	32	27	25	28	22	67/68	60	F10/F12	14	20.5
LQXX18	500	32	27	25	28	22	67/68	90	F10/F12	14	20.5
LQXX19	600	32	27	25	28	22	67/68	120	F10/F12	14	20.5
LQXX20	800	38	33	29	36	27	67/68	120	F10/F12/F14	14.2	33.4
LQXX21	1000	43	37	33	36	27	67/68	120	F10/F12/F14	14.2	33.4
LQXX22	1200	49	42	37	36	27	67/68	120	F10/F12/F14	14.2	33.4
LQXX23	2000	47	39	36	45	36	67/68	200	F12/F14/F16	16	44
LQXX25	3500	78	67	60	72	46	67/68	200	F14/F16	37	80
LQXX26	5000	108	92	82	72	46	67/68	200	F14/F16	37	80
LQXX28	8000	142	118	107	80	55	67/68	200	F16/F25	48	107

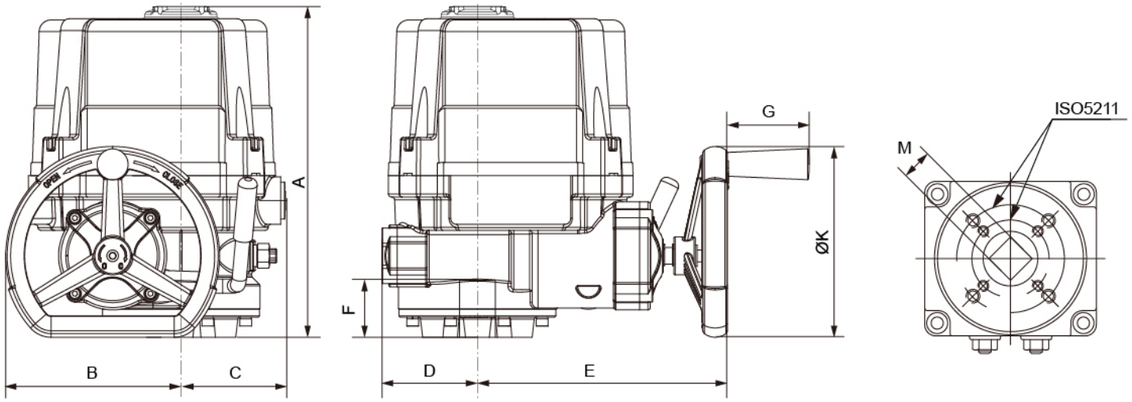
额定/启动电流
Rated/starting current

型号 Model	AC24V 50Hz		AC24V 60Hz		AC110V 50Hz		AC110V 60Hz		AC220V 50Hz		AC220V 60Hz		AC380V 50Hz		AC380V 60Hz		AC440V 50Hz		AC440V 60Hz		DC24V	
	额定 Rated (A)	启动 Starting (A)	额定 Rated (A)	启动 Starting (A)	额定 Rated (A)	启动 Starting (A)	额定 Rated (A)	启动 Starting (A)	额定 Rated (A)	启动 Starting (A)	额定 Rated (A)	启动 Starting (A)	额定 Rated (A)	启动 Starting (A)	额定 Rated (A)	启动 Starting (A)	额定 Rated (A)	启动 Starting (A)	额定 Rated (A)	启动 Starting (A)	额定 Rated (A)	启动 Starting (A)
LQXX11	4.2	6.6	5.1	7	1.1	1.52	1.3	1.65	0.52	0.73	0.64	0.78	0.18	0.35	0.15	0.32	0.15	0.3	0.12	0.26	2.53	7.78
LQXX13	4.2	6.6	5.1	7	1.1	1.52	1.3	1.65	0.52	0.73	0.64	0.78	0.18	0.35	0.15	0.32	0.15	0.3	0.12	0.26	5.53	7.78
LQXX14	5.5	7.1	7	8.1	1.4	1.8	1.8	1.9	0.72	0.9	0.92	1	0.28	0.68	0.24	0.63	0.25	0.52	0.21	0.5	4.2	11
LQXX15	5.5	7.1	7	8.1	1.4	1.8	1.8	1.9	0.72	0.9	0.92	1	0.28	0.68	0.24	0.63	0.25	0.52	0.21	0.5	4.2	11
LQXX16	9.2	17.8	11.2	17.7	2.5	4.4	2.4	4.5	1.42	2.5	1.4	2.31	0.38	1.1	0.32	0.92	0.28	0.75	0.25	0.7	4.2	26
LQXX18	9.2	17.8	11.2	17.7	2.4	4.2	3.2	4.3	1.38	2.3	1.65	2.2	0.41	1.16	0.37	1.1	0.3	0.9	0.27	0.85	5.7	23
LQXX19	12.8	25	13.5	24.1	3.1	6	3.5	5.8	1.75	3.3	1.92	3.1	0.41	1.16	0.37	1.1	0.3	0.9	0.27	0.85	7.3	23
LQXX20	12.8	25	13.5	24.1	3.1	6	3.5	5.8	1.75	3.3	1.92	3.1	0.41	1.16	0.37	1.1	0.3	0.9	0.27	0.85	7.3	23
LQXX21	12.8	25	13.5	24.1	3.1	6	3.5	5.8	1.75	3.3	1.92	3.1	0.41	1.16	0.37	1.1	0.3	0.9	0.27	0.85	7.3	23
LQXX22	12.8	25	13.5	24.1	3.1	6	3.5	5.8	1.75	3.3	1.92	3.1	0.41	1.16	0.37	1.1	0.3	0.9	0.27	0.85	7.3	23
LQXX23	12.5	26.6	14.6	25.4	3.3	7	3.8	6.7	1.52	3.54	1.94	3.3	0.8	2.3	0.72	2.1	0.62	1.9	0.6	1.8	17	55
LQXX25	12.5	26.6	14.6	25.4	3.3	7	3.8	6.7	1.52	3.54	1.94	3.3	0.8	2.3	0.72	2.1	0.62	1.9	0.6	1.8	17	55
LQXX26	12.5	26.6	14.6	25.4	3.3	7	3.8	6.7	1.52	3.54	1.94	3.3	0.8	2.3	0.72	2.1	0.62	1.9	0.6	1.8	17	55
LQXX28	12.5	26.6	14.6	25.4	3.3	7	3.8	6.7	1.52	3.54	1.94	3.3	0.8	2.3	0.72	2.1	0.62	1.9	0.6	1.8	17	55

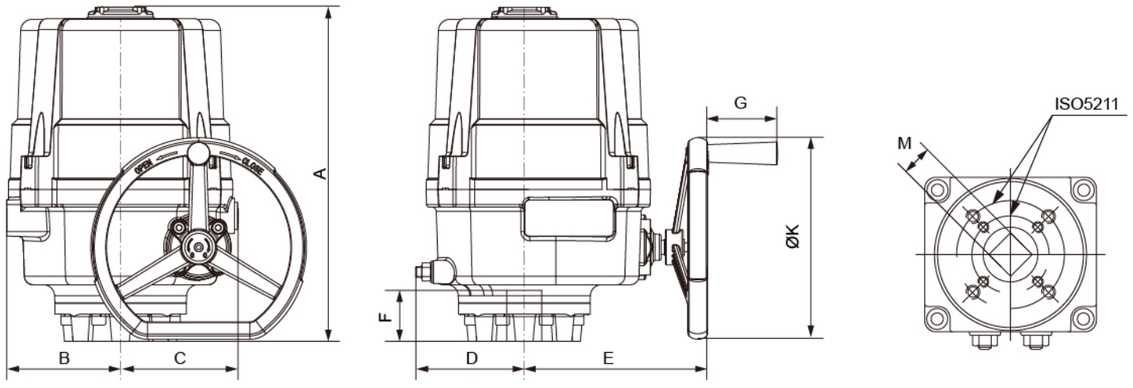
尺寸/Dimension

基本型Basic type

LQXX11~LQXX19
50~600N.M

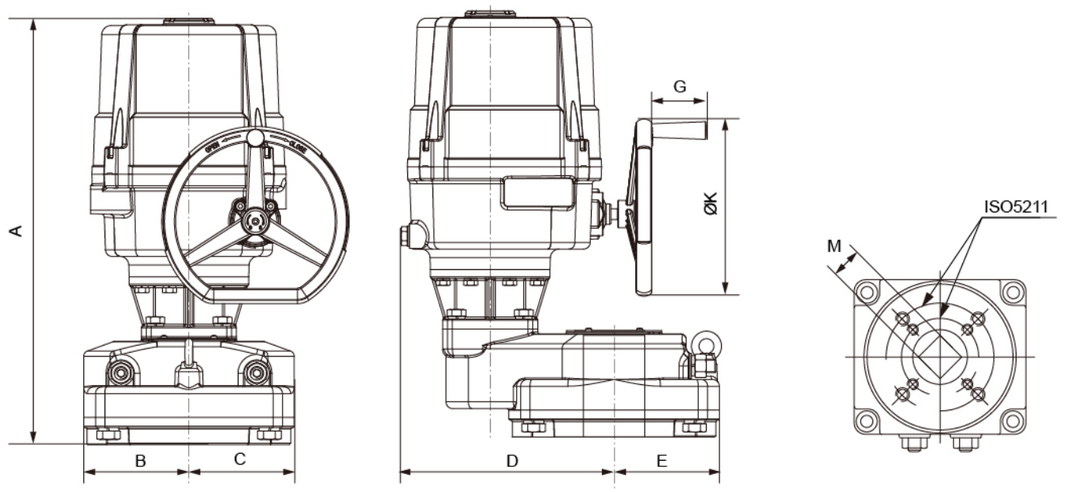


LQXX20~LQXX23
800~2000N.M



型号Model	A	B	C	D	E	ØK	G	ISO5211	M
LQXX11	240	92	77	47	171	100	50	F05/F07	9/11/14/17
LQXX13	240	92	77	47	171	100	50	F05/F07	9/11/14/17
LQXX14	276	147	90	78	208	180	63	F07/F10	11/14/17/22
LQXX15	276	147	90	78	208	180	63	F07/F10	11/14/17/22
LQXX16	301	152	98	81	218	180	63	F10/F12	14/17/22
LQXX18	301	152	98	81	218	180	63	F10/F12	14/17/22
LQXX19	301	152	98	81	218	180	63	F10/F12	14/17/22
LQXX20	375	130	212	128	208	250	80	F10/F12/F14	17/22/27
LQXX21	375	130	212	128	208	250	80	F10/F12/F14	17/22/27
LQXX22	375	130	212	128	208	250	80	F10/F12/F14	17/22/27
LQXX23	418	145	236	146	236	280	80	F12/F14/F16	22/27/36

LQXX25~LQXX28
3500~8000N.M

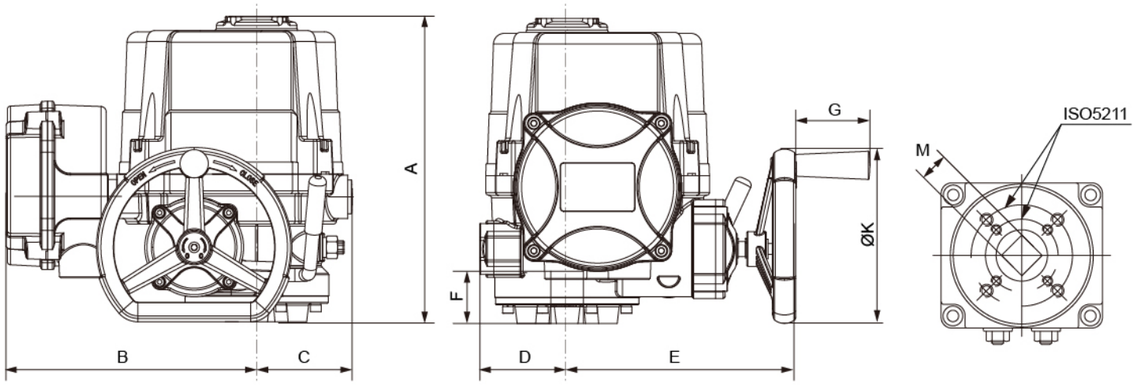


型号Model	A	B	C	E	D	ØK	G	ISO5211	M
LQXX25	620	145	238	267	110	280	80	F14/F16	36/46
LQXX26	620	145	238	267	110	280	80	F14/F16	36/46
LQXX28	627	155	238	315	155	280	80	F16/F25	46/55

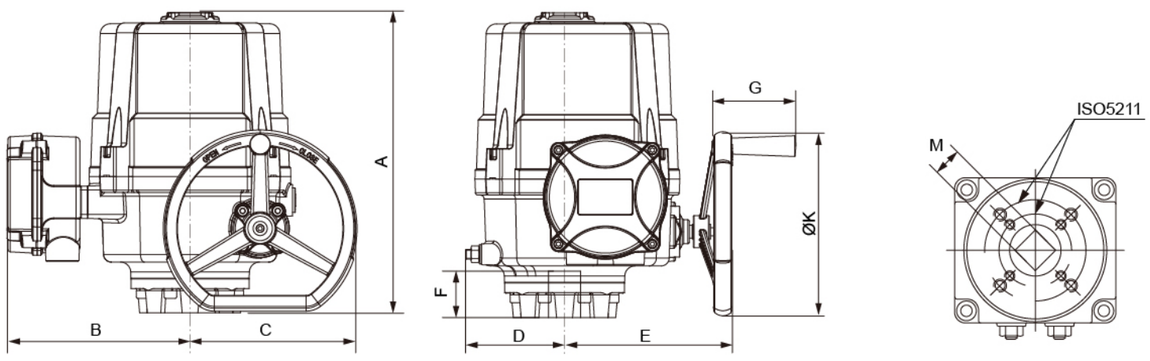
尺寸/Dimension

调节型Regulatory type

LQXX11~LQXX19
50~600N.M

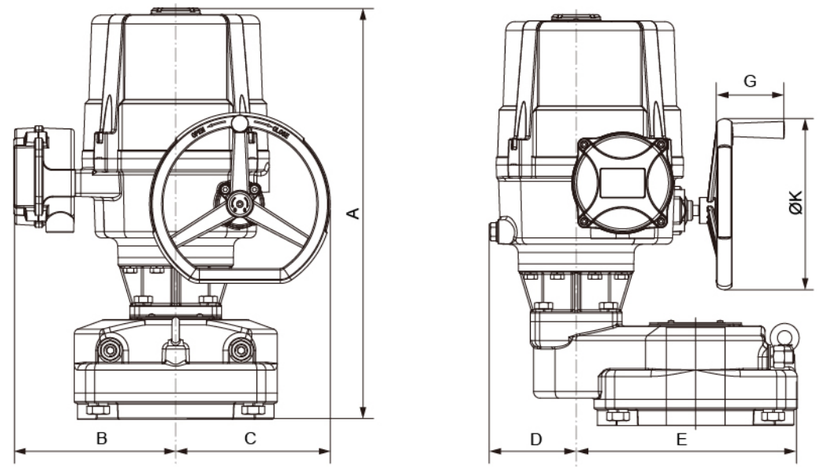


LQXX20~LQXX23
800~2000N.M



型号Model	A	B	C	D	E	ØK	G	ISO5211	M
LQXX11	240	189	77	47	171	100	50	F05/F07	9/11/14/17
LQXX13	240	189	77	47	171	100	50	F05/F07	9/11/14/17
LQXX14	276	225	90	78	208	180	63	F07/F10	11/14/17/22
LQXX15	276	225	90	78	208	180	63	F07/F10	11/14/17/22
LQXX16	301	235	98	81	218	180	63	F10/F12	14/17/22
LQXX18	301	235	98	81	218	180	63	F10/F12	14/17/22
LQXX19	301	235	98	81	218	180	63	F10/F12	14/17/22
LQXX20	375	227	212	128	208	250	80	F10/F12/F14	17/22/27
LQXX21	375	227	212	128	208	250	80	F10/F12/F14	17/22/27
LQXX22	418	227	212	128	208	250	80	F10/F12/F14	17/22/27
LQXX23	418	242	236	146	236	280	80	F12/F14/F16	22/27/36

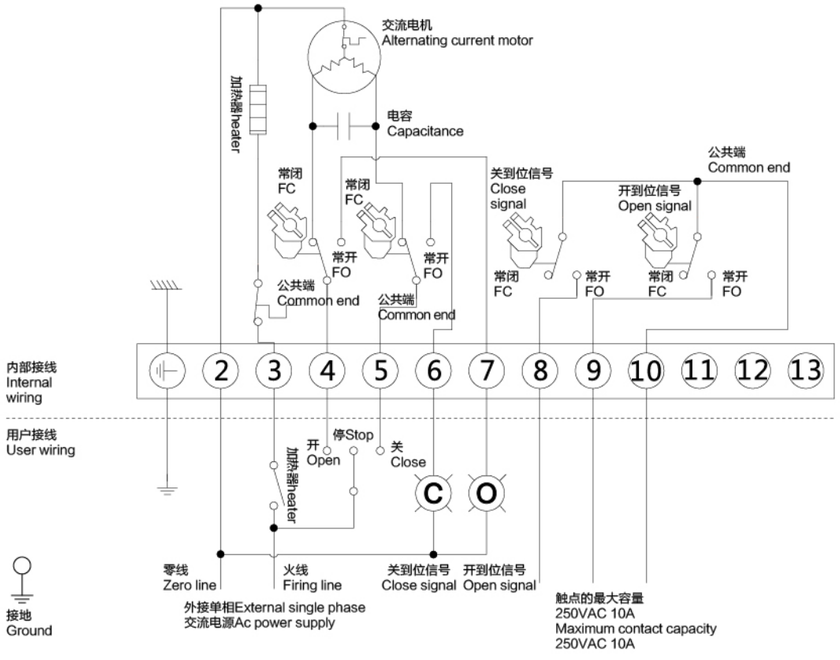
LQXX25~LQXX28
3500~8000N.M



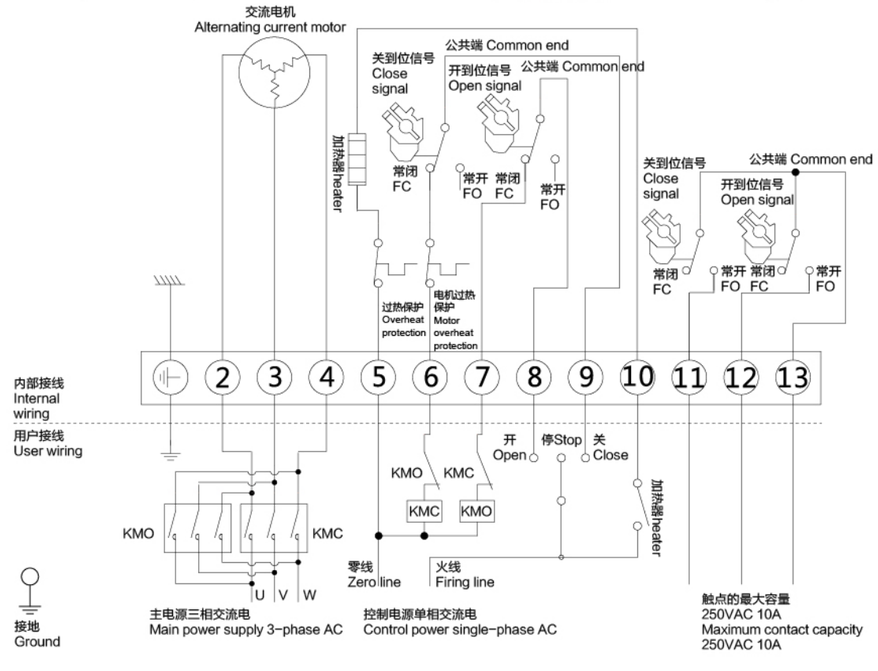
型号Model	A	B	C	E	D	ØK	G	ISO5211	M
LQXX25	620	242	236	267	110	280	80	F14/F16	36/46
LQXX26	620	242	236	267	110	280	80	F14/F16	36/46
LQXX28	627	242	236	315	155	280	80	F16/F25	46/55

产品接线图/Wiring diagram

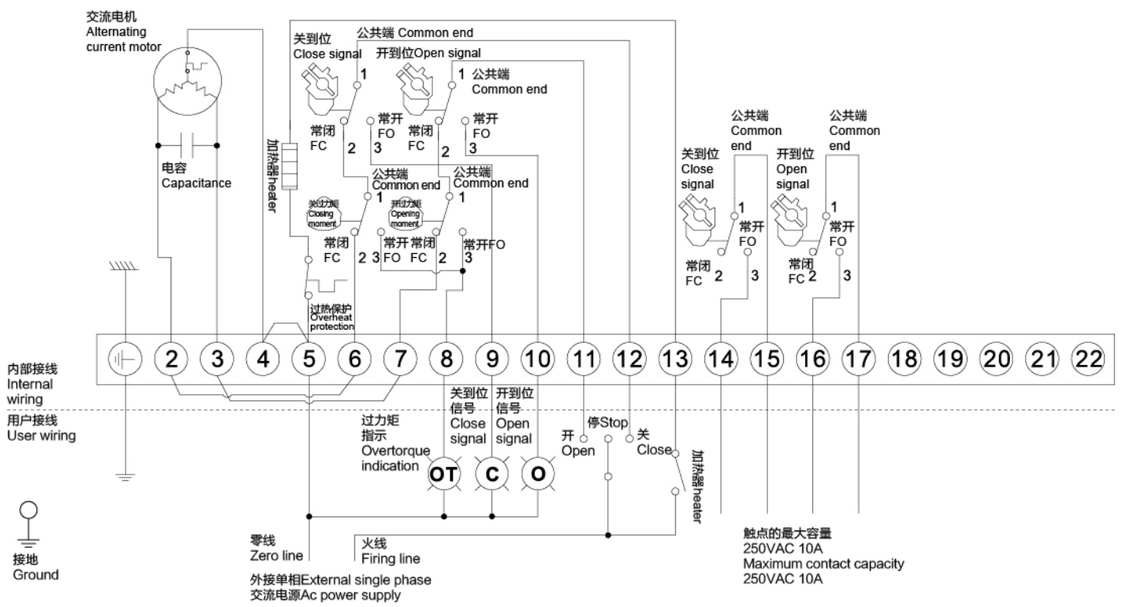
LQXX11~13(50~100NM) AC24V、AC110V、AC220V-50Hz/60Hz(基本开关型/Basic ON/OFF type)



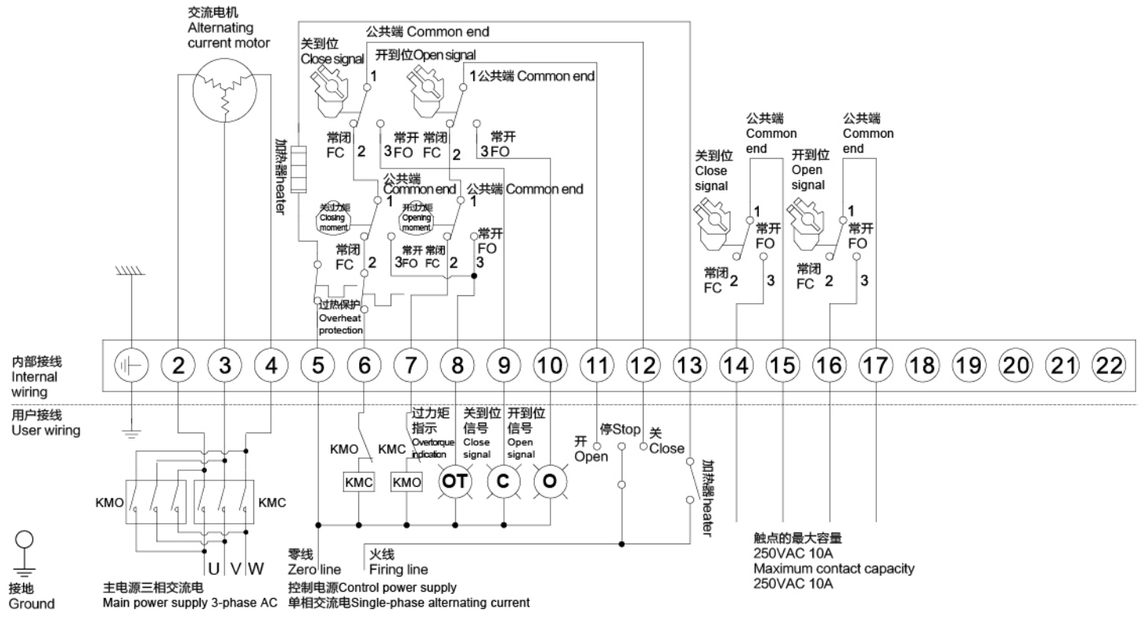
LQXX11~13(50~100NM) AC380、VAC440-50Hz/60Hz(基本开关型/Basic ON/OFF type)



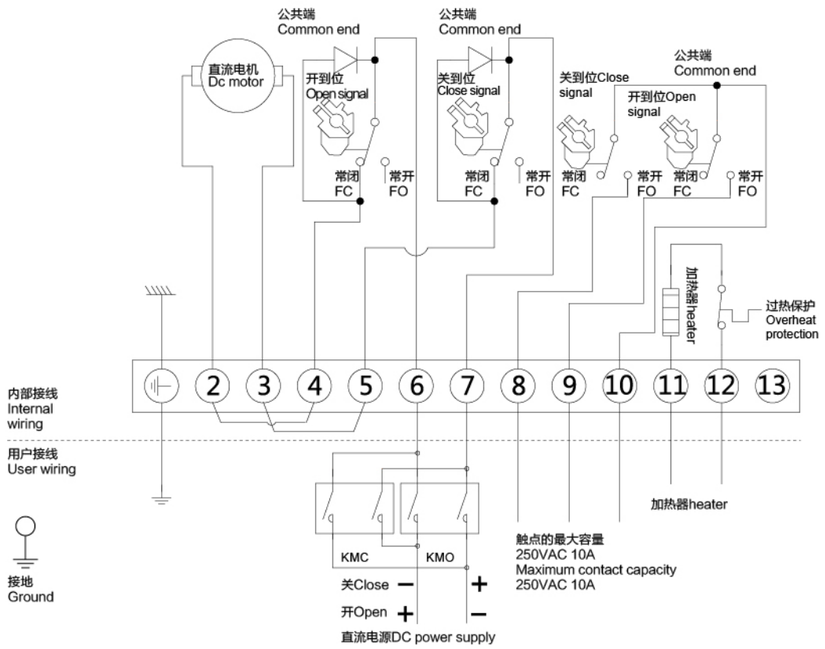
LQXX14~28(150~8000NM) AC24V、AC110V、AC220V-50Hz/60Hz(基本开关型/Basic ON/OFF type)



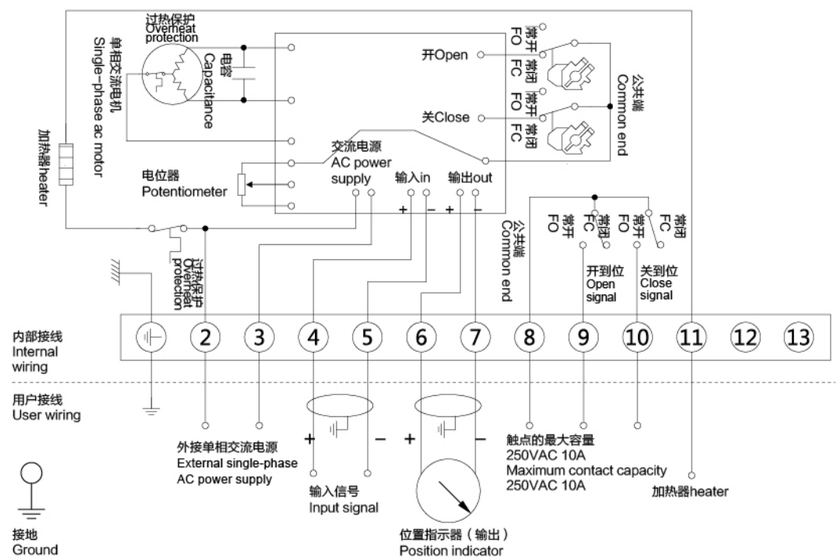
LQXX14~28(150~8000NM) AC380、VAC440-50Hz/60Hz(基本开关型/Basic ON/OFF type)



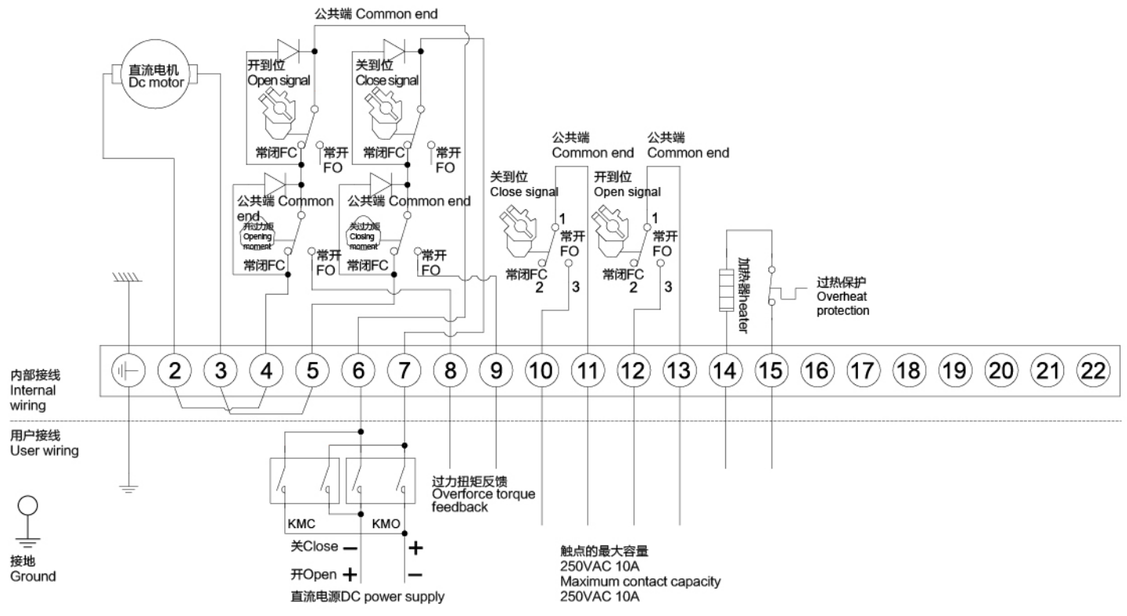
LQXX11~13(50~100NM) DC24V-50Hz/60Hz(基本开关型/Basic ON/OFF type)



LQXX11~13(50~100NM) AC110V、AC220V-50Hz(调节型/Regulatory type)



LQXX14~28(150~8000NM) DC24V-50Hz/60Hz(基本开关型/Basic ON/OFF type)



LQXX14~28(150~8000NM) AC110V、AC220V-50Hz(调节型/Regulatory type)

