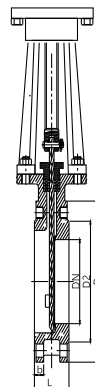
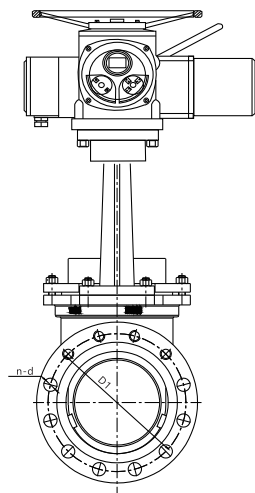


VE30-EKG VINCER ELECTRIC KNIFE GATE VALVE

Upgrade your industrial automation with our electric knife gate valve, combining advanced technology for precise fluid control and seamless operation in your systems.

Technical Parameters

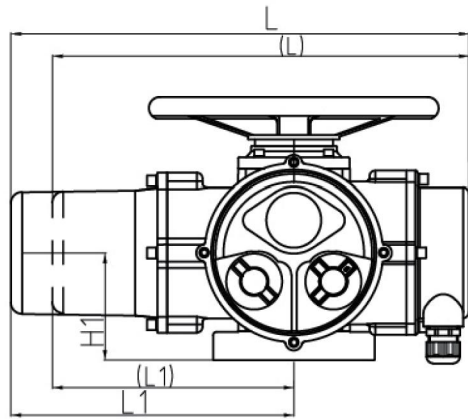
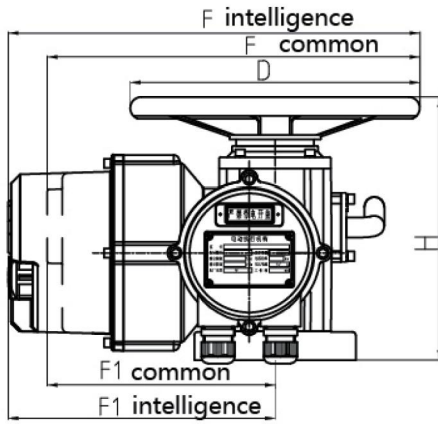
Nominal Size	DN50~DN1000
Body Material	Cast Iron, Carbon Steel(WCB), Stainless Steel(CF8, CF8M)
Connection Type	Flanged Type
Pressure Rating	PN1.0
Operating temperature	-30°C ~300°C
Disc Material	WCB , Cast Iron, Stainless Steel(CF8, CF8M)
Stem Material	Stainless Steel (CF8, CF8M)
Installation position	Any
Applicable Medium	Mud, material, viscous, granular fluid



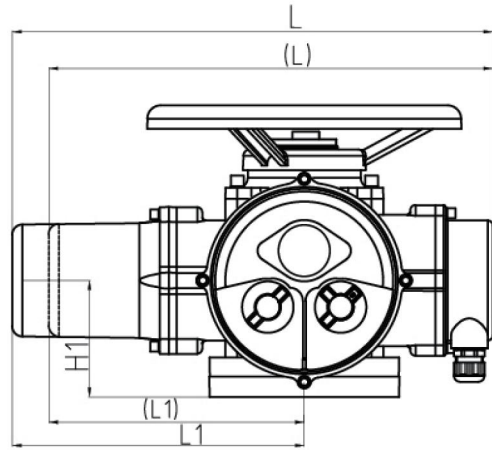
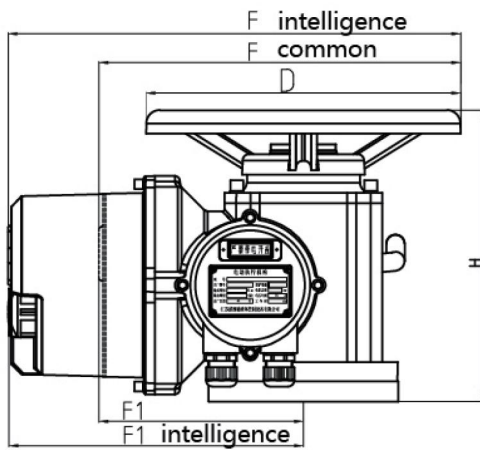
Main Outline and Connecting (1.0MPa)

Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"
DN	50	65	80	100	125	150	200	250	300	350	400	450	500
D	160	180	195	215	245	280	335	390	440	500	565	615	670
D1	125	145	160	180	210	240	295	350	400	460	515	565	620
D2	100	120	135	155	185	210	265	320	368	428	482	532	585
N-d	4-16	4-16	8-16	8-16	8-16	8-20	8-20	12-20	12-20	16-20	16-24	20-24	20-24
b	18	18	18	18	18	23	23	23	23	23	27	27	27
L	50	50	50	50	50	60	60	70	80	90	100	110	114

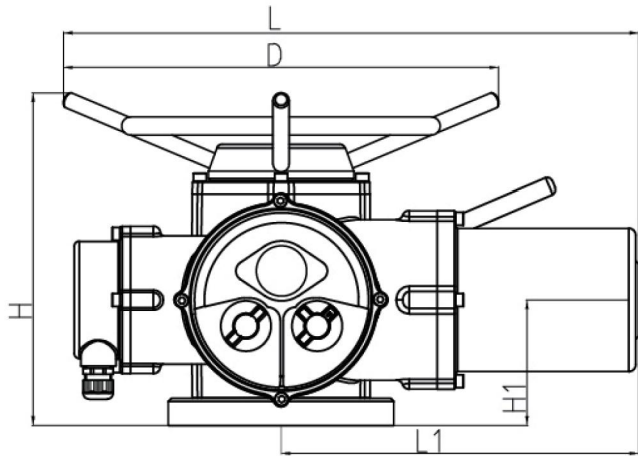
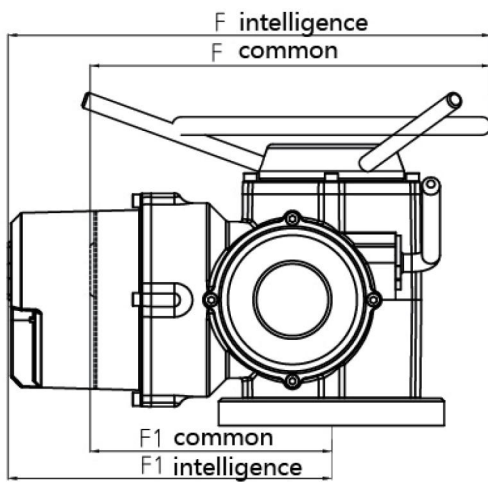
V、Dimensions



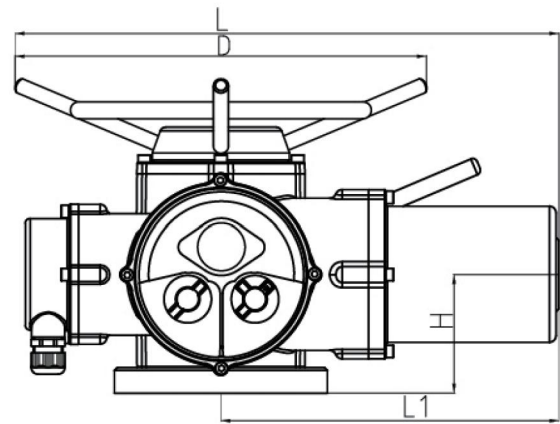
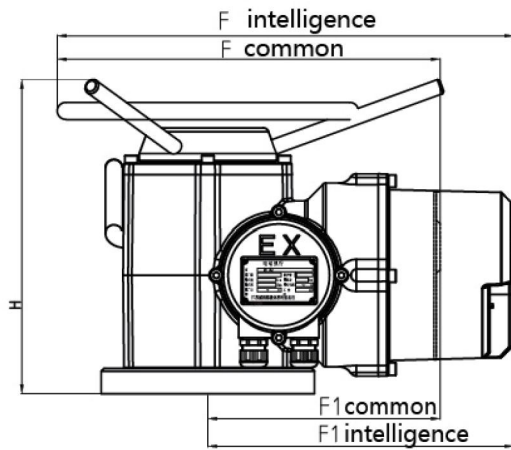
DM05/10/15



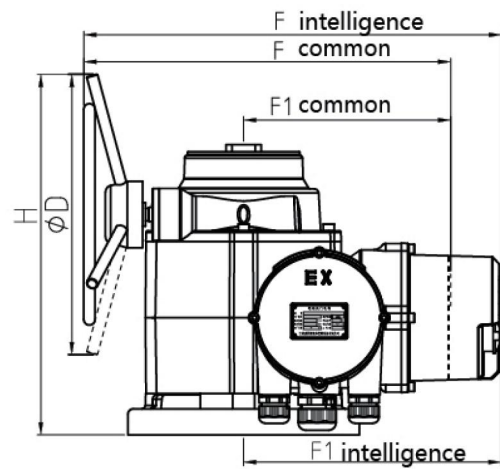
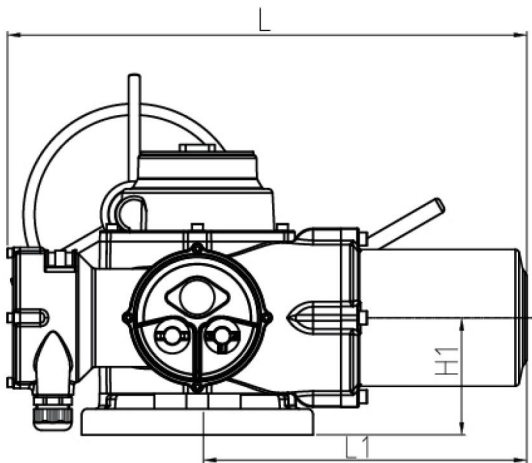
DM20/30



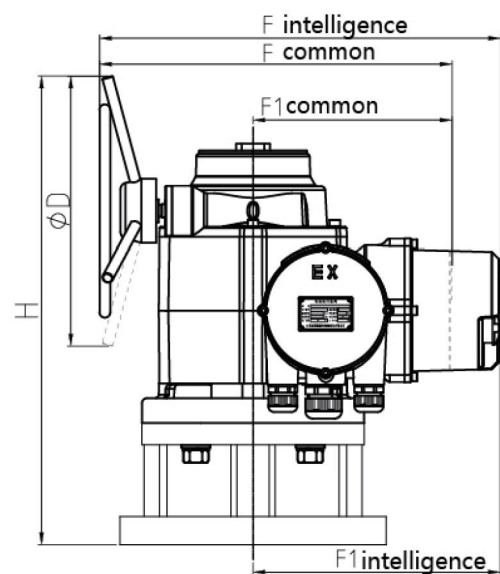
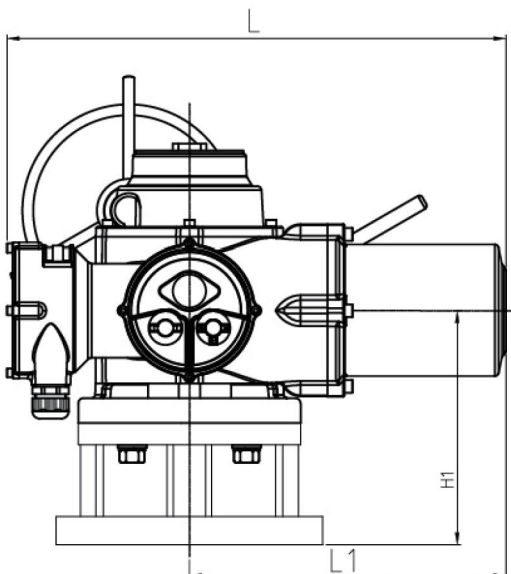
DM45/60



DM90/120



DM180/250

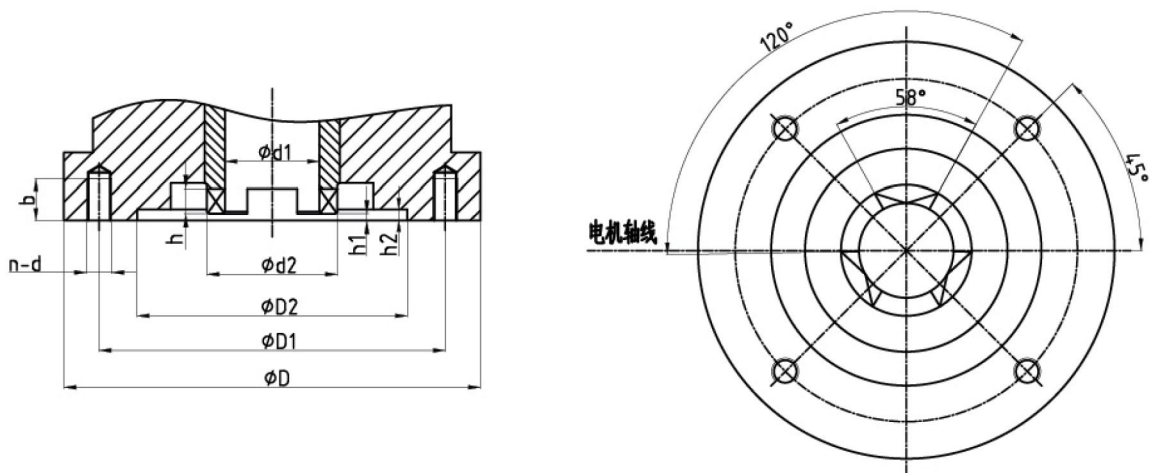


DM350/500/700/1000

Size Model	H	H1	F		F1		D	(L)	L	(L1)	L1
			Ordinary	Intelligence	Ordinary	Intelligence					
			DM05/10/15	236	96	334					
DM20/30	285	115	372	442	218	288	φ300	449	499	265	315
DM45/60	335	125	510	570	252	322	φ495	/	563	/	357
DM90/120	352	141	517	587	252	322	φ508	577	637	360	420
DM180/250	515	167	524	596	296	368	φ400	/	748	/	470
DM350/500	684	348	524	596	296	368	φ400	/	748	/	470
DM700/1000	747	411	524	596	296	368	φ400	/	748	/	470

VGD-M series actuator overall dimensions

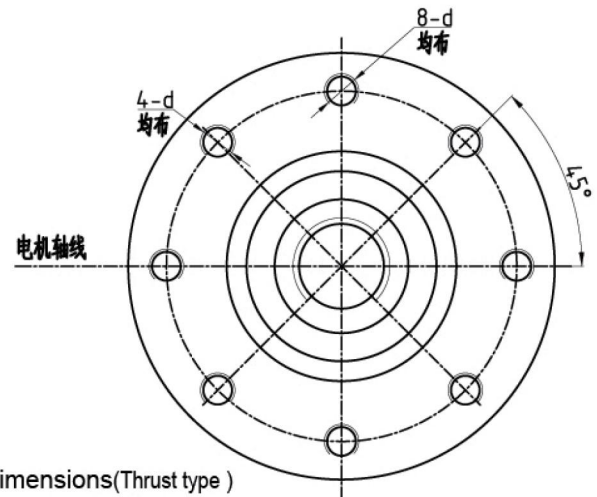
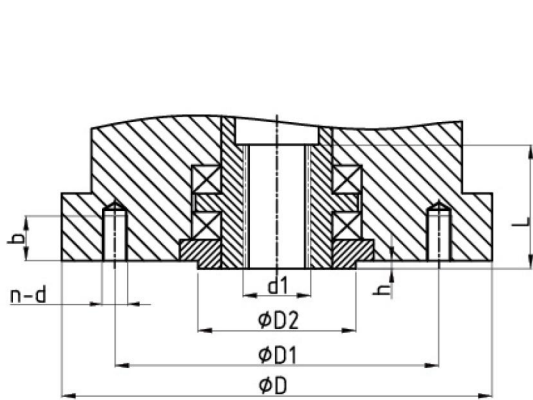
VI、 Flange structure and connection dimensions



VGD-M series actuator interface dimensions(Torque type)



Actuator model	Flange model	Size details of actuator output interface(Torque type JB2920)										
		D	D1	D2	d1	d2	n-d	b	Screw hole direction	h	h1	h2
DM05 DM10 DM15	2# 2#(I)	145 115	120 95	90 75	33 26	45 39	4-M10 4-M8	20 20	45° 45°	8 6	2 2	5 5
DM20 DM30	3# 3#(I)	185 145	160 120	125 90	42 31.5	58 45	4-M12 4-M10	20 20	45° 45°	10 8	2 2	5 5
DM45 DM60	4#	225	195	150	52	68	4-M16	27	45°	12	2	5
DM90 DM120	5# 5#(I)	275 230	235 195	180 150	62 52	78 72	4-M20 4-M16	30 27	45° 45°	14 12	2 2	5 5
DM180 DM250	7#	330	285	220	72	98	4-M24	35	45°	16	3	6
DM350 DM500	8#	380	340	280	83	118	8-φ22	40	22.5°	20	3	7
DM700 DM1000	9#	430	380	300	93	128	8-φ26	42	22.5°	22	3.5	7



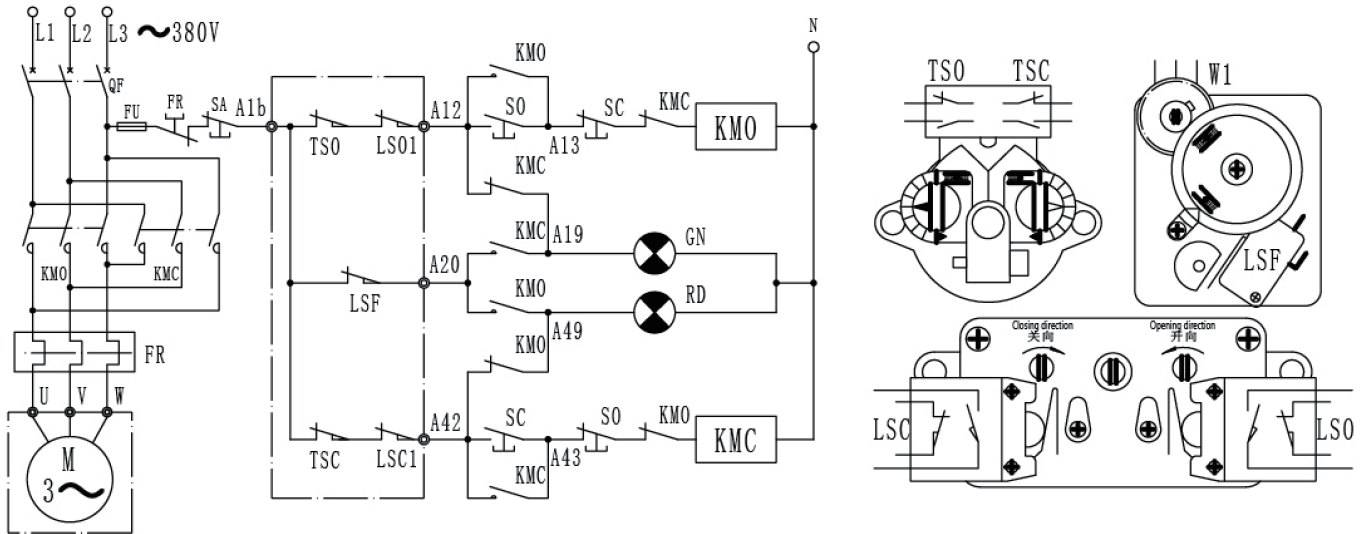
VGD-M series actuator interface dimensions(Thrust type)

Actuator model	Flange model	Size details of actuator output interface(Thrust type GB12222)								
		D	D1	D2	d1 Trapezoid thread (max)	n-d	b	Screw hole direction	h	L
DM05 DM10 DM15	F10	125	102	70	Tr28	4-M10	16	45°	3	40
DM20 DM30	F14	175	140	100	Tr36	4-M16	25	45°	4	55
DM45 DM60	F16	210	165	130	Tr44	4-M20	35	45°	5	70
DM90 DM120	F25	300	254	200	Tr60	8-M16	30	45°	5	90
DM180 DM250	F30	350	298	230	Tr70	8-M20	35	22.5°	5	110
DM350 DM500	F35	415	356	260	Tr80	8-M30	45	22.5°	6	150

VII、 Model and main technical parameters

型号 / 规格 Model / Specification	输出转矩 Output torque (N.m)	输出转速 Output speed (r/min)	手动速比 Manual speed ratio (手轮 / 输出) (Handwheel / Output)	电机功率(kw) Motor power		额定电流(A) Rated current		参考重量 Reference weight (kg)
				(380V)	(220V)	(380V)	(220V)	
DM05	50	18/24	1:1	0.18	0.18	0.6	0.95	15.2
DM10	100	18/24	1:1	0.25	0.25	0.85	1.2	15.8
DM15	150	18/24	1:1	0.37	0.37	1.05	1.7	16.2
DM20	200	18/24	1:1	0.55	0.55	1.3	2.5	24.2
	200	36/48	1:1	0.75	0.75	1.7		25.8
DM30	300	18/24	1:1	0.75	0.75	1.7		25.8
	300	36/48	1:1	0.85	0.85	1.85		25.8
DM45	450	18/24	1:1	0.85	0.85	1.85		63.2
	450	36/48	1:1	1.5	1.5	3.2		63.2
DM60	600	18/24	1:1	1.5	1.5	3.2		65.2
	600	36/48	1:1	2.2	2.2	4.5		67.5
DM90	900	18/24	1:1	2.2		4.5		68.5
	900	36/48	1:1	3.0		6.3		69.8
DM120	1200	18/24	1:1	3.0		6.3		69.8
	1200	36/48	1:21	4.0		8.5		73.5
DM180	1800	18/24	1:21	4.0		8.5		120
DM250	2500	18/24	1:21	5.0		10.5		125
DM350/500	3500/5000	8	1:60	5.0		10.5		200
DM700/1000	7000/10000	4.5	1:107	5.5		11		260

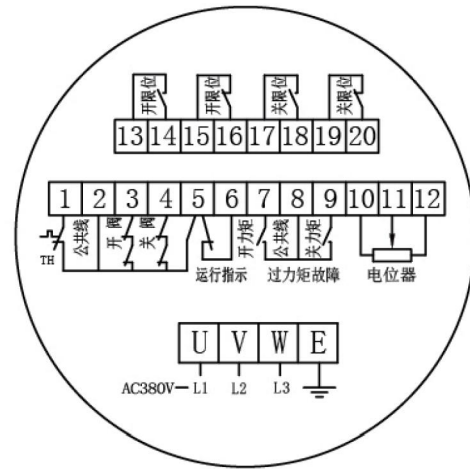
VIII、 Electrical control section



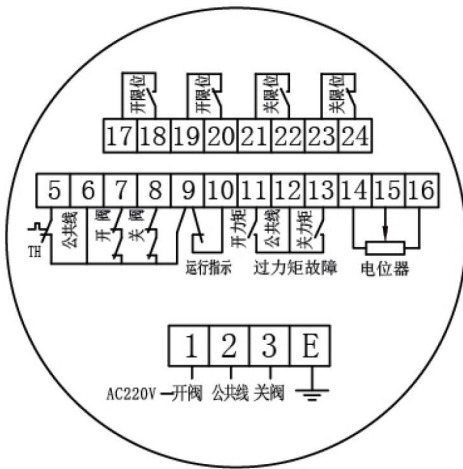
Code name	Name	Model	Number	Remarks	Code name	Name	Model	Number	Remarks
FR	Thermal relay		1	User self provided	LSF	Flash switch	V-157	1	
KMOKMC	AC contactor	GJ10	1	User self provided	W1	potentiometer	WX14-12	1	
SASOSC	Button	LA11-11D	3	User self provided	M	Electric machinery	YDF2-W	1	
TSOTSC	Torque switch	DK3-2A	1		TH	Thermosensitive switch		1	Special order
LSOLSC	Travel switch	HWK-22A	1		RT	Space heater		1	Special order



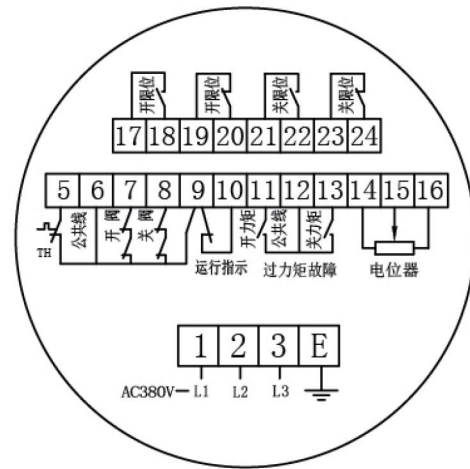
Wiring diagram of 220V common terminal



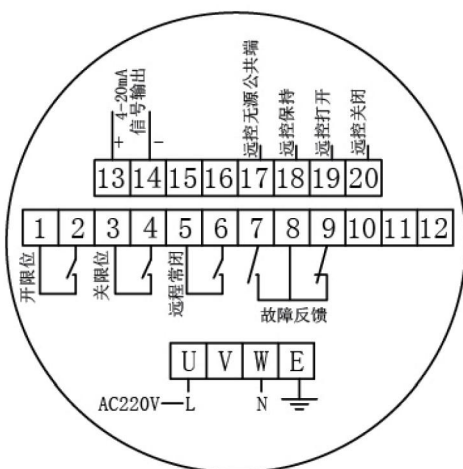
Wiring diagram of 380V common terminal



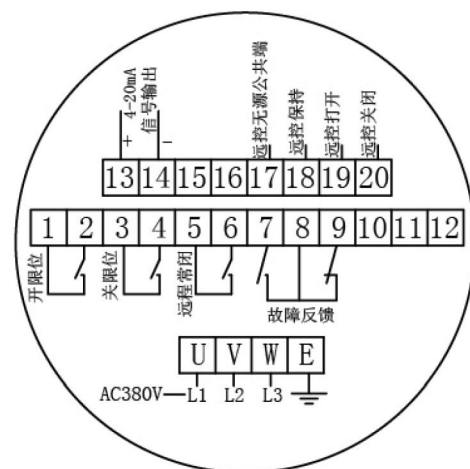
Wiring diagram of 220V explosion-proof terminal



Wiring diagram of 380V explosion-proof terminal

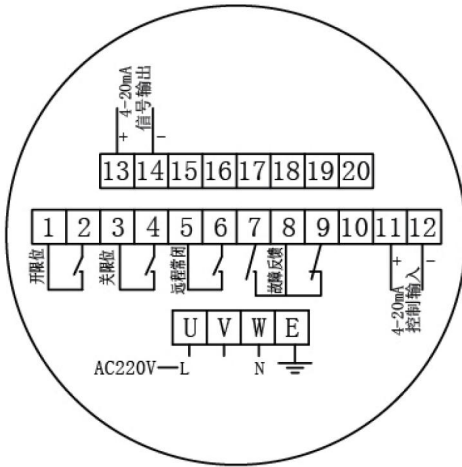


Wiring diagram of non invading switch type 220V terminal

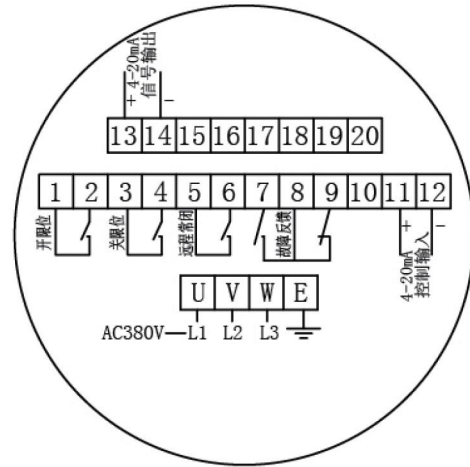


Wiring diagram of non invading switch type 380V terminal

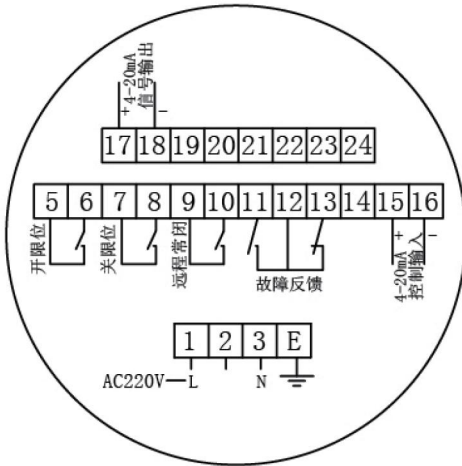
故障反馈	Fault feedback	开阀	Valve opening	关限位	Limit position	控制输入	Control input
信号输出	Signal output	关阀	Shut off valve	公共线	Common line		
远控打开	Remote control open	开力矩	Open torque	关力矩	Moment of closure		
远程常闭	Remote normal closure	开限位	Opening limit	电位器	Potentiometer		
运行指示	Operation instructions	过力矩故障	Over torque fault	远控关闭	Remote control shutdown		
远控保持	Remote control and maintenance	远控	Remote control	远控无源公共端	Remote control passive common terminal		



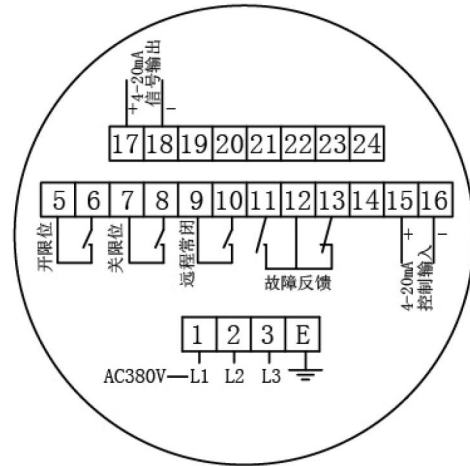
Wiring diagram of regulated 220 V terminal



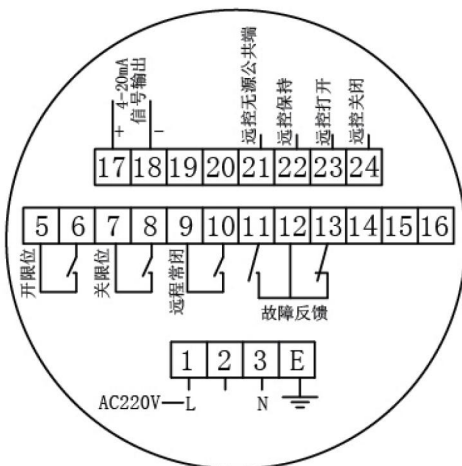
Wiring diagram of regulated 380 V terminal



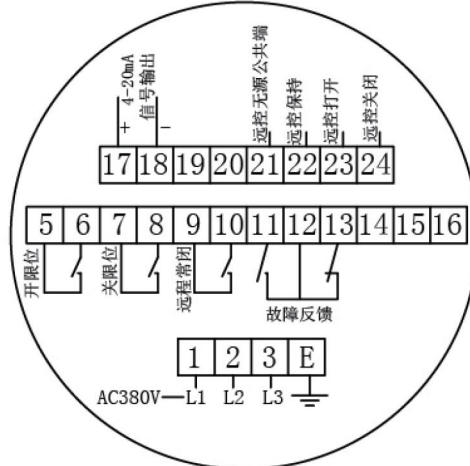
Wiring diagram of regulated explosion-proof 220V terminal



Wiring diagram of regulated explosion-proof 380V terminal



Wiring diagram of non-invasive explosion-proof switch type 220V terminal



Wiring diagram of non-invasive explosion-proof switch type 380V terminal

Figure 7: terminal wiring diagram of electric device



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