

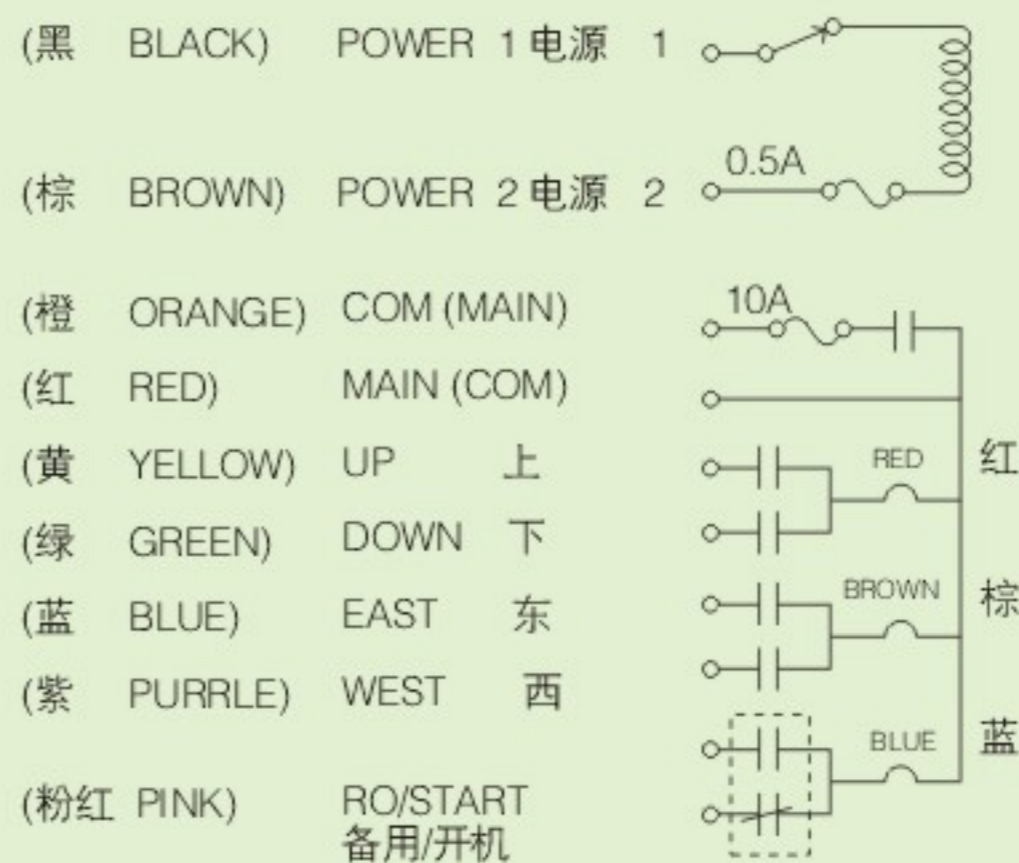
F21 系列超轻工业用遥控器 F21 Remote controller for industrial use

产品特点

- 广泛适用于各种工业设备;
- 防水等级达IP65;
- 玻璃纤维外壳结构, 坚固耐用;
- 超宽操作温度范围-35°C~+80°C;
- 低耗电设计, 2个1.5V5号电池;
- 结合汉明码, 自我检测及不重复的32位元识别码;
- 操作距离依机种不同可达50-100公尺。

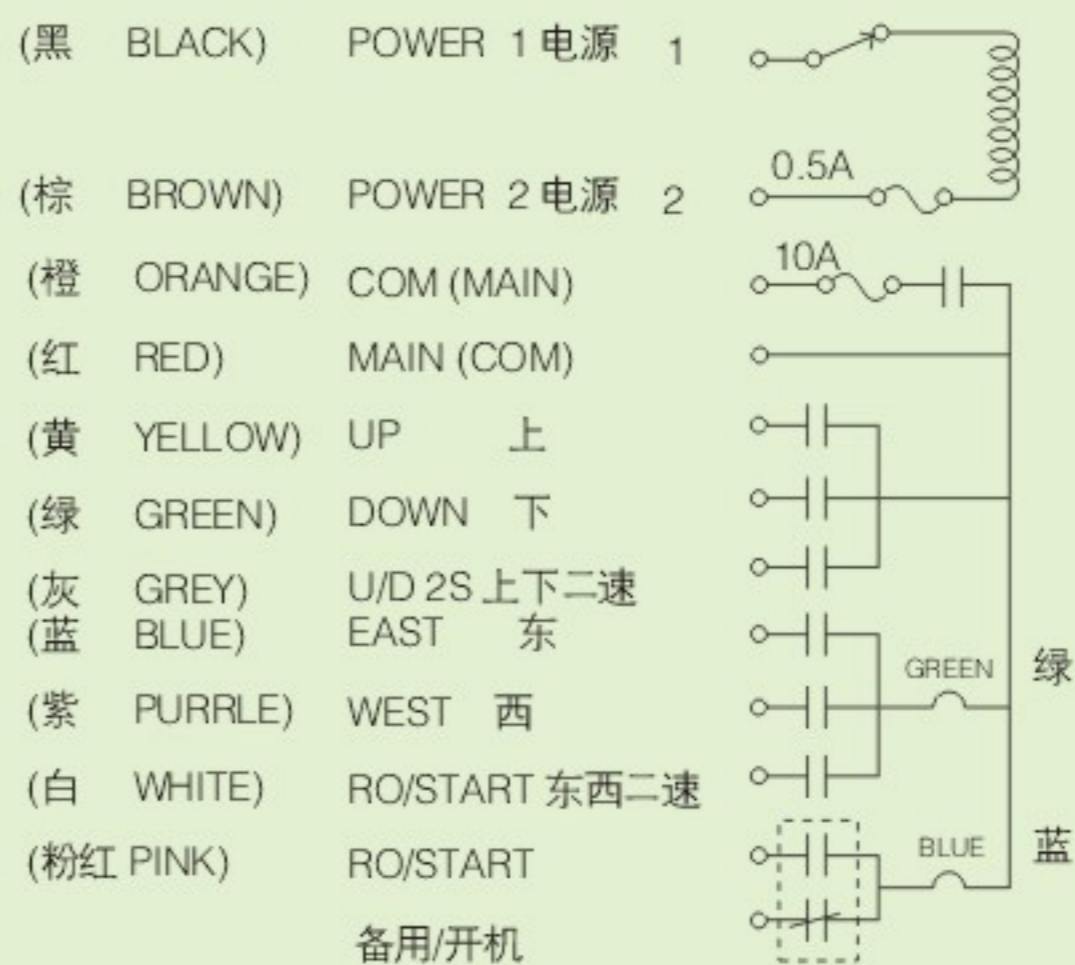
F21-4S

4个单速按键, 1个紧急开关, 1个开机按键
尺寸: 156X61X51mm



F21-4D

4个双速按键, 1个紧急开关, 1个开机按键
尺寸: 156X61X51mm

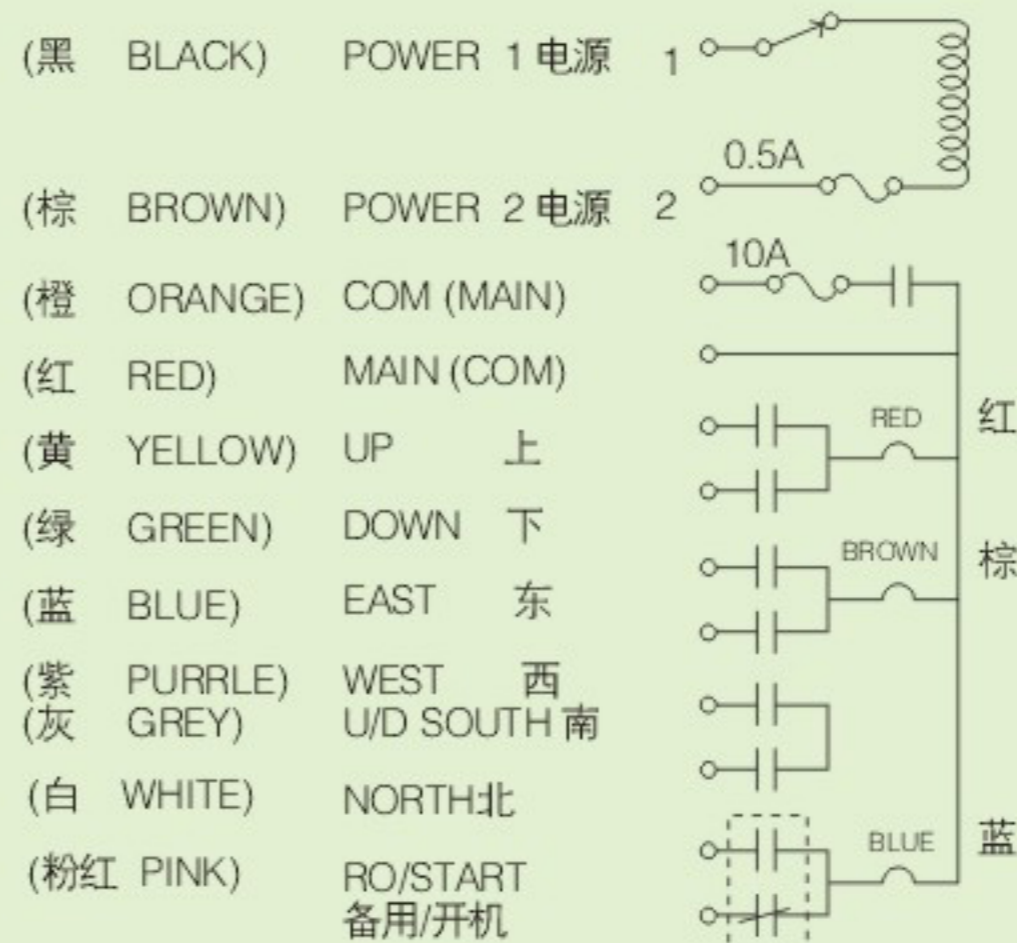


F21 系列超轻工业用遥控器

F21 Remote controller for industrial use

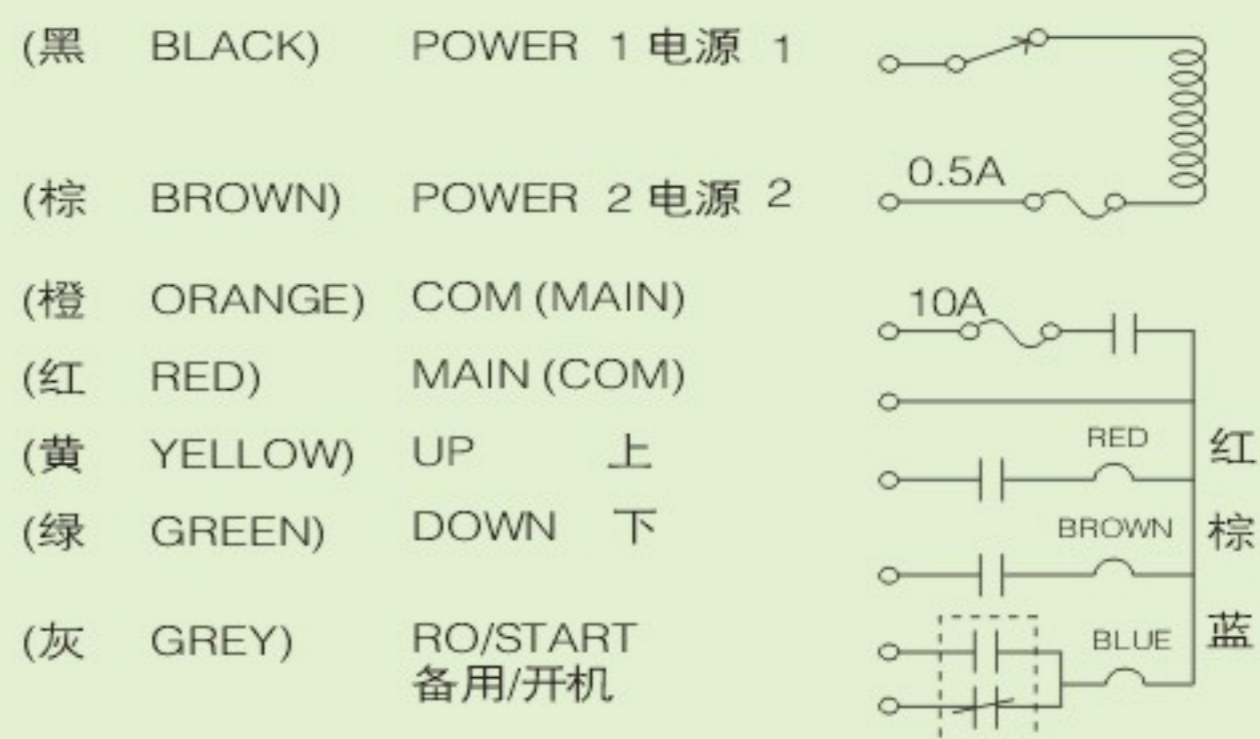
F21-E1B

6个单速按键, 1个紧急开关, 1个开机按键
尺寸: mm



F21-2S

2个单速按键, 1个开机按键
尺寸: 130X45X22mm



F21-E1

6个单速按键, 1个紧急开关, 1个开机按键
适用于单钩单速行车使用



F23工业用无线电遥控器 F23 Remote controller for industrial use

产品特点

- 弹性化设计；可自行DIY组装； IP65防水、防尘等级；
- 操作功能均可通过F23软体设定； 超宽操作温度范围-35°C~+80°C。
- 发射及接收机构为内藏式天线 (接收机可另行加装附件：被动天线)
- 多重安全保护设计的汉明码及32位元不重复识别码；

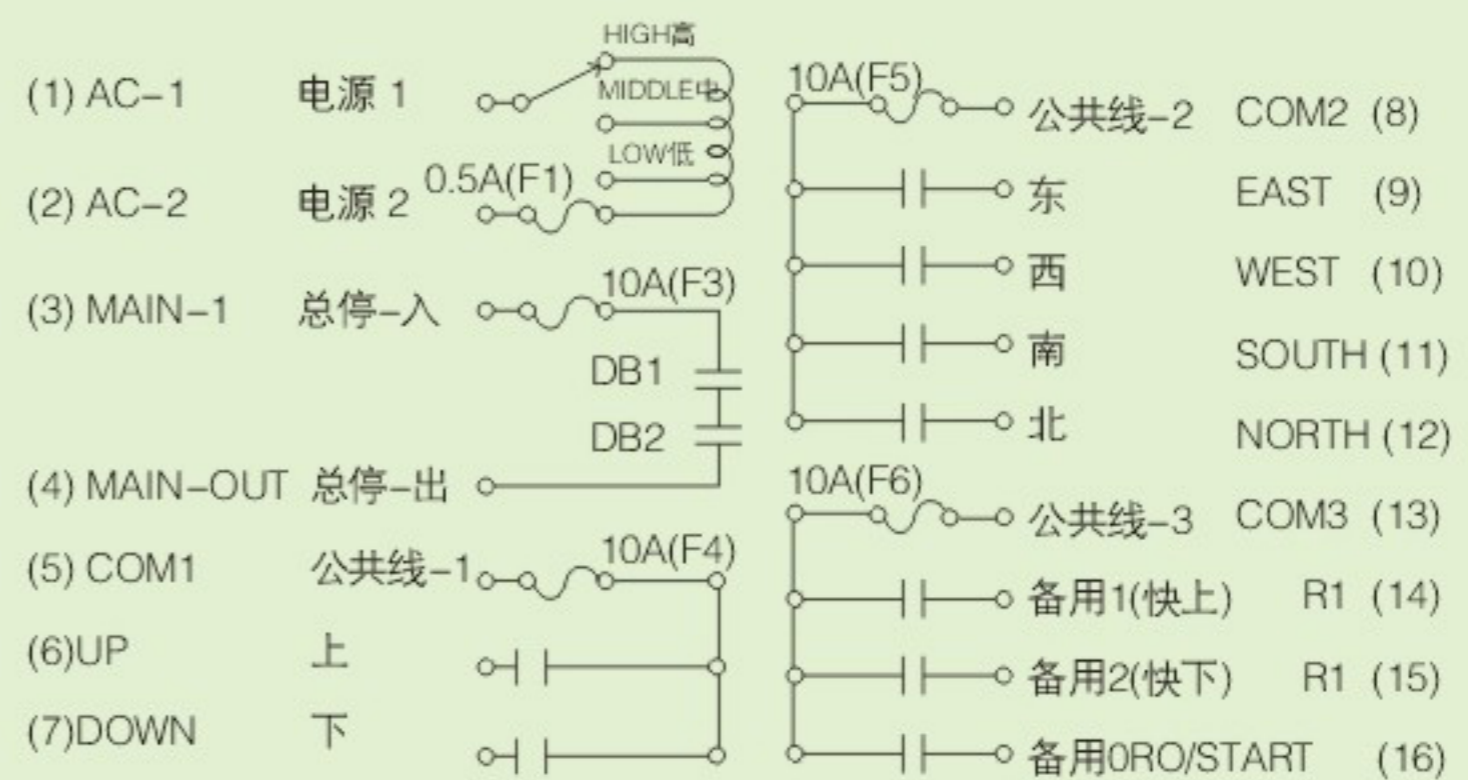
F23-BB

10个单速按键，1个紧急开关，1个开机按键
尺寸: 218X60X60mm 适用于MD葫芦



F23-A++

8个单速按键，1个紧急开关，1个开机按键
尺寸: 218X60X60mm 适用于MD葫芦

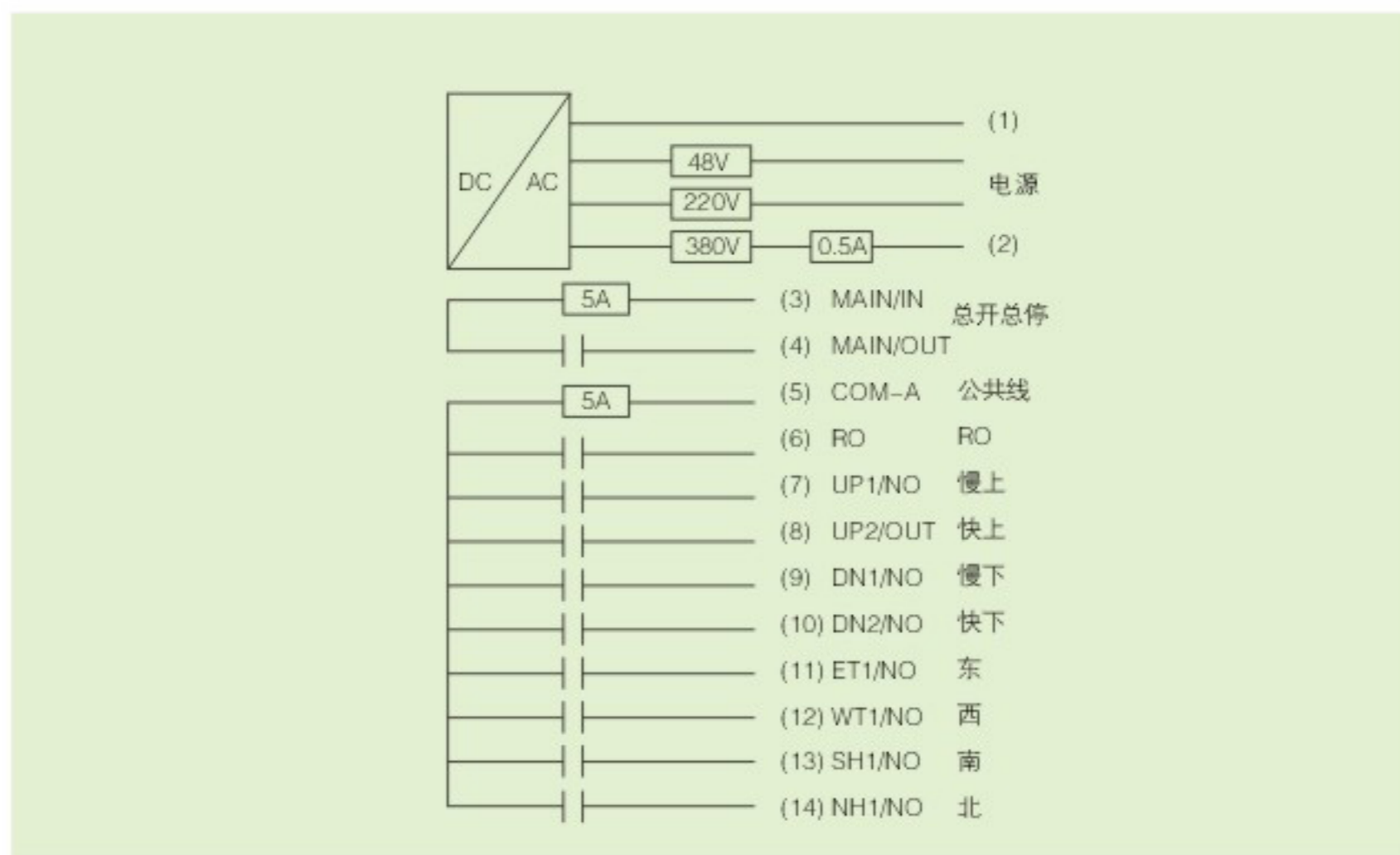


F23工业用无线电遥控器

F23 Remote controller for industrial use

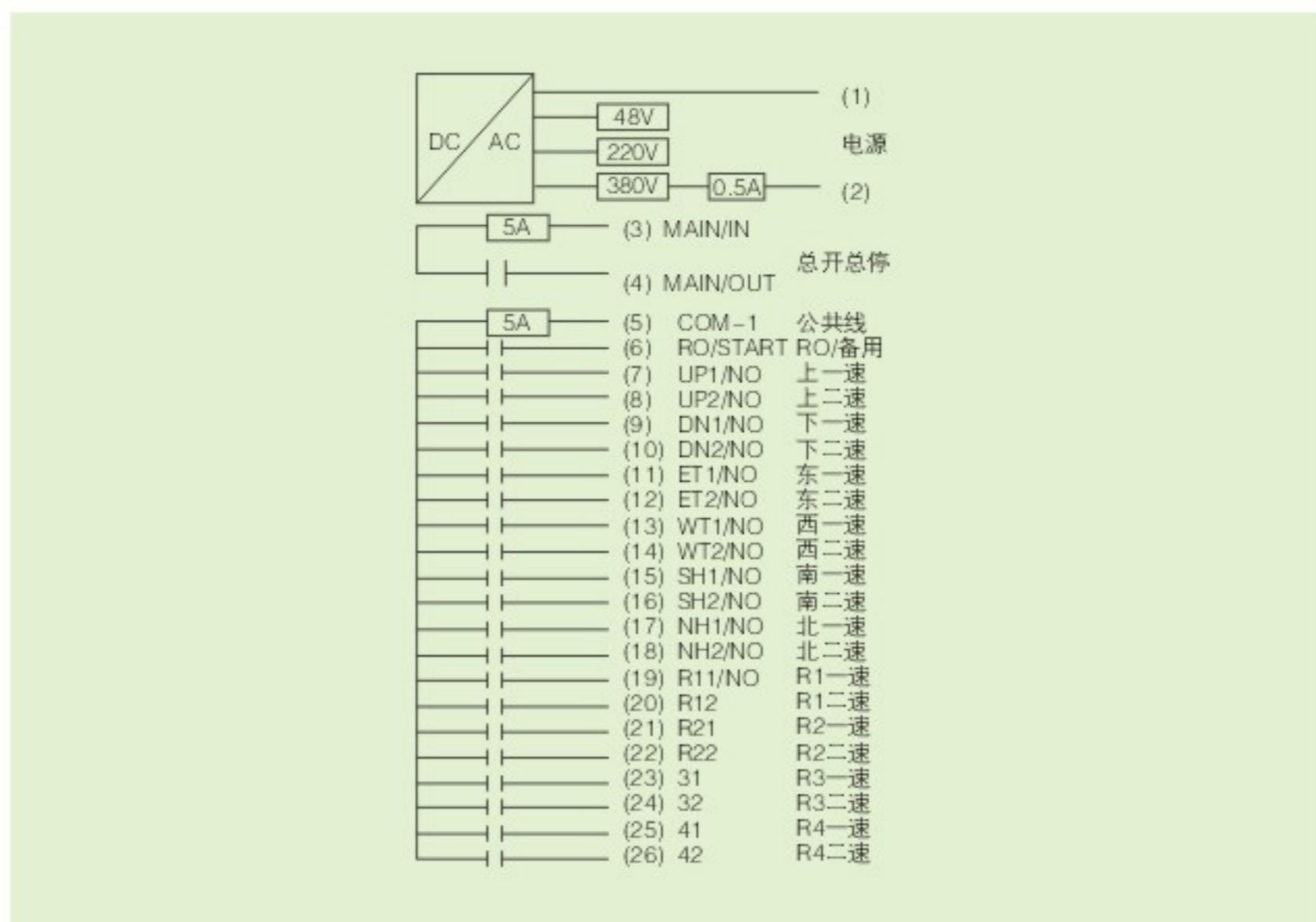
F23-A+

6个单速按键，其中上下为双速、1个紧急开关，1个开机按键，适用于MD葫芦
 尺寸: 218X60X60mm 重量: 350~365克



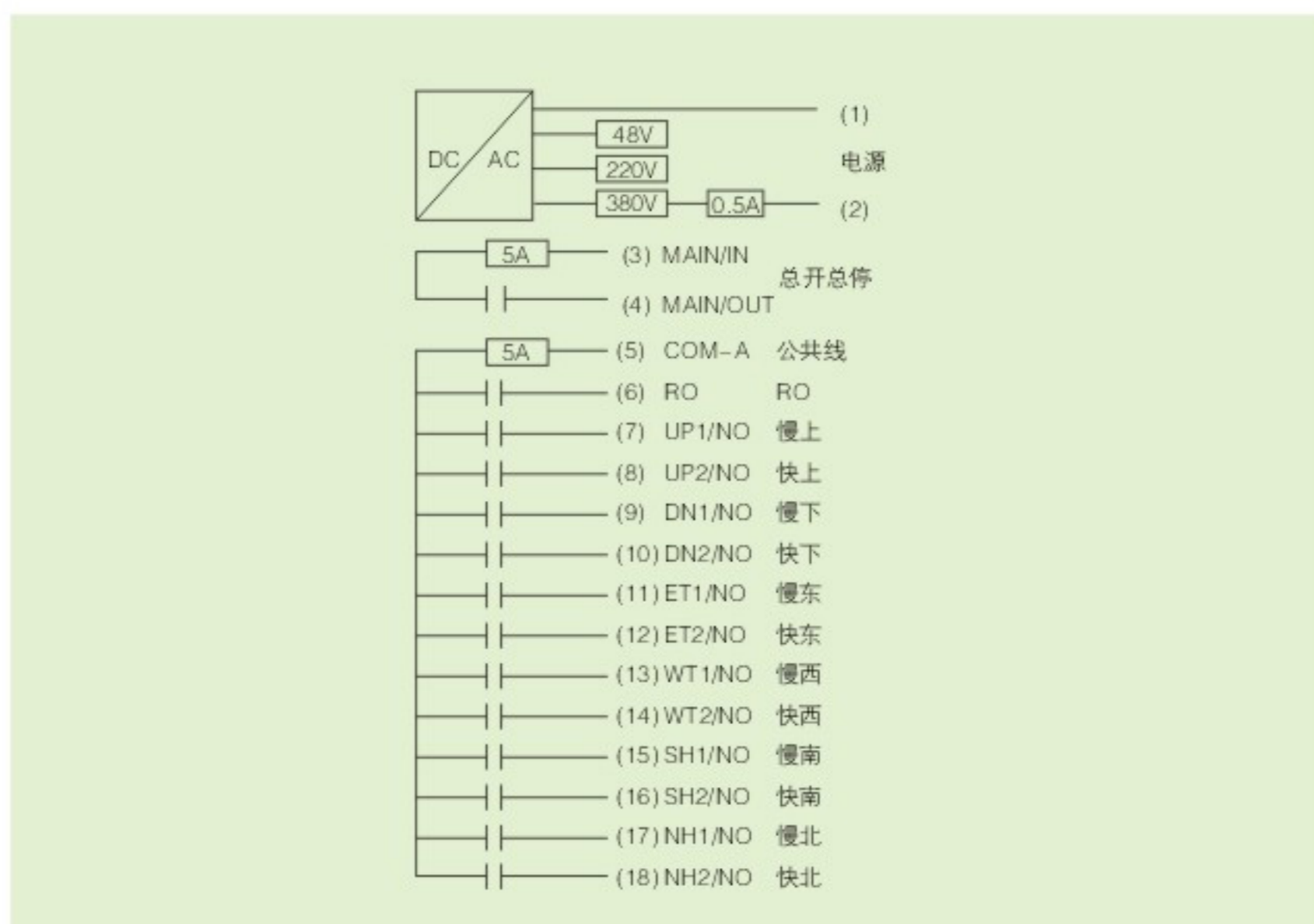
F23-D

10个双速按键，1个紧急开关，1个开机按键
 尺寸: 218X60X60mm 重量: 350~365
 适用于单/多速行车使用



F23-C

6个双速按键，1个紧急开关，1个开机按键
 尺寸: 218X60X60mm 重量: 350~365
 适用于单/多速行车使用



BF24 防爆系列/F24工业用无线电遥控器

BF24 Remote controller for industrial use

产品特点

轻巧耐用安全稳定；IP65防水防尘等级；
尼龙加纤的强化塑料外壳，可防止摔落及强力碰撞所造成的损坏；
低功耗(使用两颗5号AA碱性电池，平均使用寿命达2个月)；

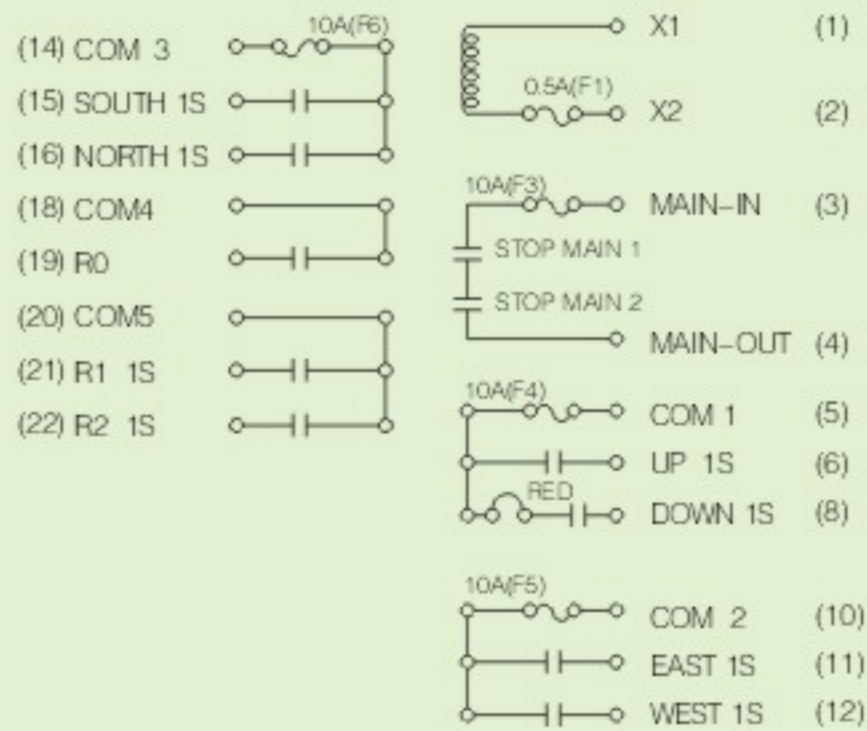
可经由PC软件设定多种按键功能，能满足各种操作需求；
接收机含输出电缆，安装简单、快速；
多重安全保护设计；汉明码、看门狗线路及32位元不重复识别码。

F24-8S

8个单速按键、1个紧急开关、1个开机键、1个旋转钥匙

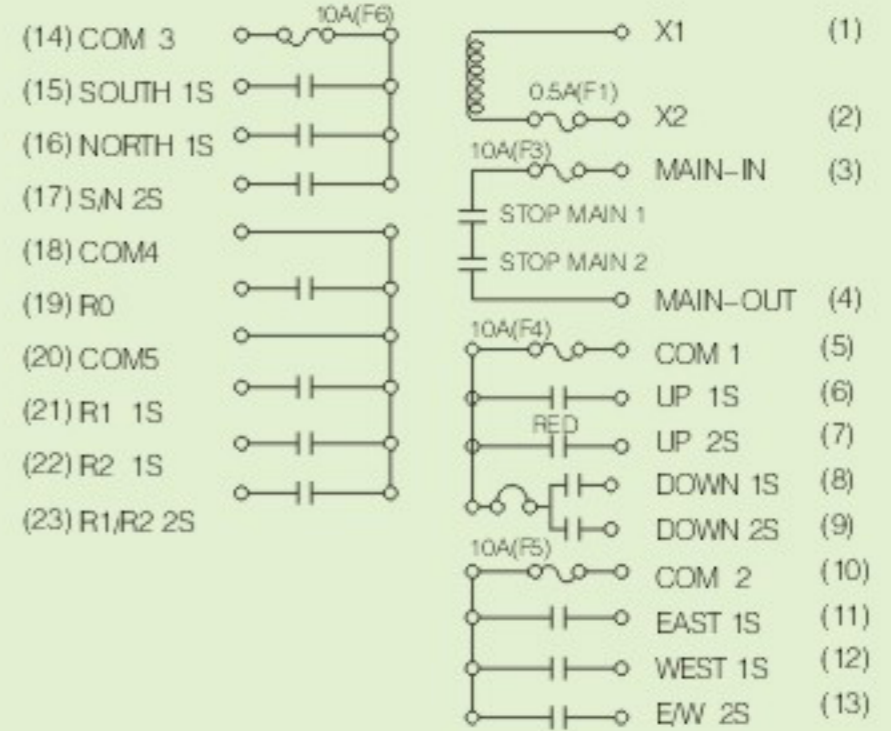


适用单钩单速/多速行车使用



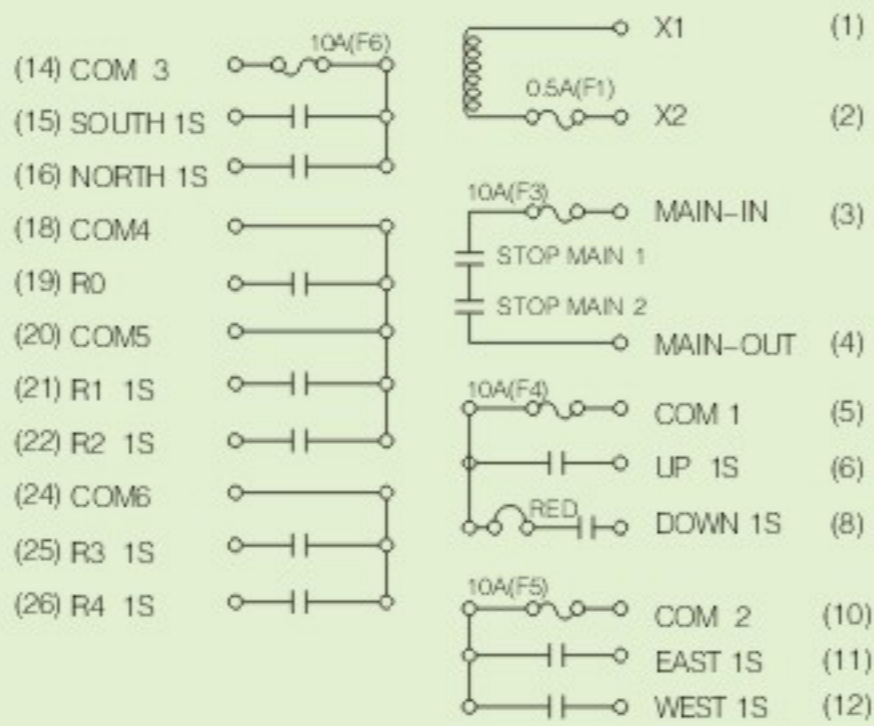
F24-8D

8个双速按键、1个紧急开关、1个开机键、1个旋转钥匙



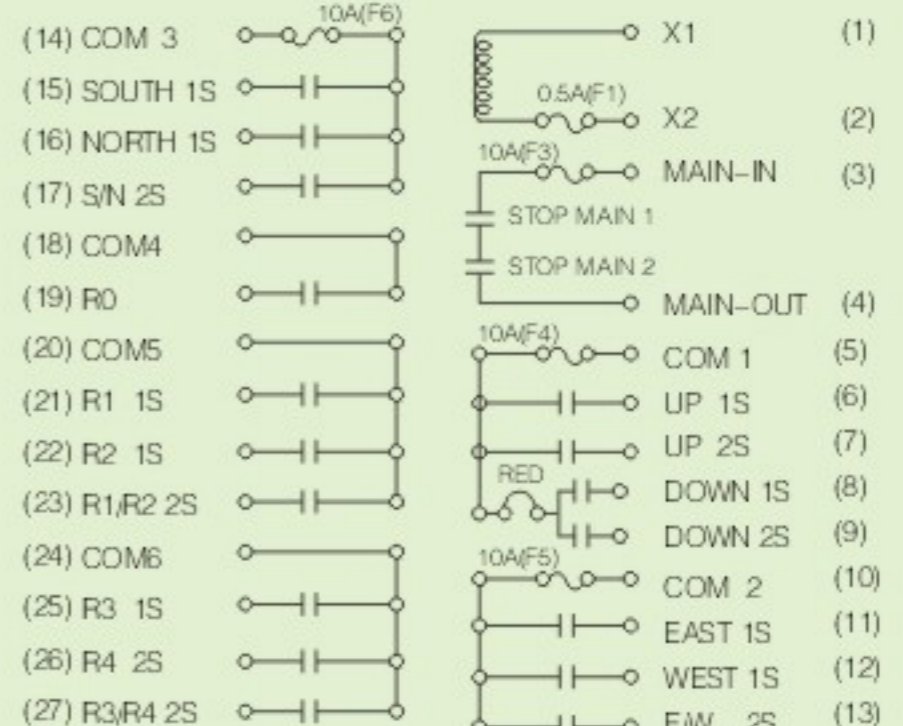
F24-10S

10个单速按键、1个紧急开关、1个开机键、1个旋转钥匙



F24-10D

10个双速按键、1个紧急开关、1个开机键、1个旋转钥匙

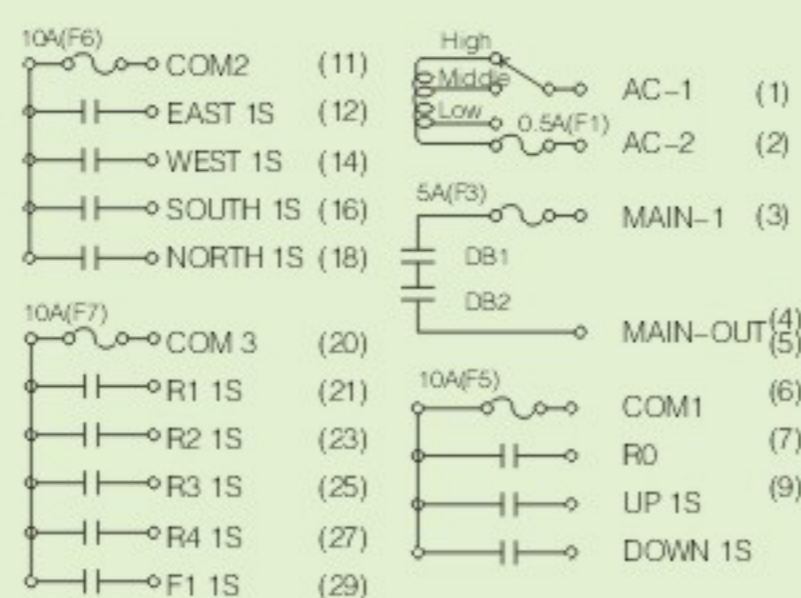


F24-12S

11个单速按键、1个紧急开关、1个开机键、1个旋转钥匙

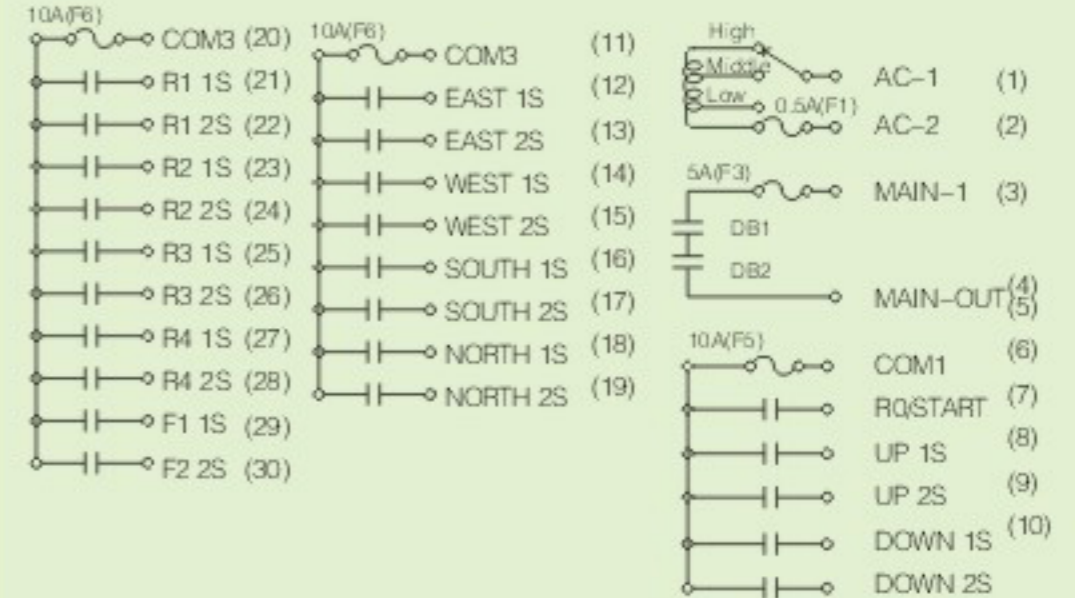


适用于单梁/双梁双钩、
双速/多速行车使用



F24-12D

11个双速按键、1个紧急开关、1个开机键、1个旋转钥匙



F24-60五速双摇杆工业用无线电遥控器

F24-60Remote controller for industrial use

产品特点

- 轻巧耐用安全稳定；
- 程式化输出设定，经由软体设定单一动作可达16个输出点；
- 操作距离可达100公尺；
- 尼龙加钎的强化塑胶外壳，可防止摔落及强力碰撞所造成之损坏；
- 接收机含输出电缆线，安装简单，快速；发射机三段式电源指示；
- 可规划加速延迟设定 (使天车运转更顺畅)；
- 多重安全保护设计：汉明码、看门狗线路32位元不重复识别码。



- ☆ 发射机
- 2只五速段落感摇杆
 - 6个单速按键(含开机键)
 - 1个紧急停止蘑菇头
 - 1个旋转钥匙、
 - 2个2段式选择开关
 - 2个3段式选择开关
 - 适用于多钩多速复杂功能
 - 超重机械或相应工业控制

Common line	Relay contact	Command	Wire NO	Remark
	F10.5A	AC-1	2-1	
		AC-2	2-2	
	F3 10A	MAIN-IN	2-3	
	DB1 DB2	MAIN-OUT	2-4	
F4 10A		COM1	2-21	
F7 10A		COM2	2-22	
F5 10A		COM3	2-23	
F6 10A		COM4	2-23	
	Ry 1	F1	1-1	
	Ry 2	R0/START	1-2	
	Ry 3	R1	1-3	
	Ry 4	R2	1-4	
	Ry 5	R3	1-5	
	Ry 6	R4	1-6	
	Ry 7	SWA	1-7	
	Ry 8	SW BA	1-8	
	Ry 9	SW BB	1-9	
	Ry 10	SW CA	1-10	
	Ry 11	SW CB	1-11	
	Ry 12	SW D	1-12	
	Ry 13	1Y(U)1	1-13	
	Ry 14	1Y(D)1	1-14	
	Ry 15	1Y(U/D)2	1-15	
	Ry 16	1Y(U/D)3	1-16	
	Ry 17	1Y(U/D)4	1-17	
	Ry 18	1Y(U/D)5	1-18	
	Ry 19	1X(L)1	1-19	
	Ry 20	1X(R)1	1-20	
	Ry 21	1X(L/R)2	1-21	
	Ry 22	1X(L/R)3	1-22	
	Ry 23	1X(L/R)4	1-23	
	Ry 24	1X(L/R)5	1-24	
	Ry 25	2Y(U)1	2-25	
	Ry 26	2Y(D)1	2-6	
	Ry 27	2Y(U/D)2	2-7	
	Ry 28	2Y(U/D)3	2-8	
	Ry 29	2Y(U/D)4	2-9	
	Ry 30	2Y(U/D)5	2-10	
	Ry 31	2X(L)1	2-11	
	Ry 32	2X(R)1	2-12	
	Ry 33	2X(L/R)2	2-13	
	Ry 34	2X(L/R)3	2-14	
	Ry 35	2X(L/R)4	2-15	
	Ry 36	2X(L/R)5	2-16	
	Ry 37	(AUX)1	2-17	
	Ry 38	(AUX)2	2-18	
	Ry 39	(AUX)3	2-19	
	Ry 40	(AUX)4	2-20	

SAGA1工业用无线电遥控器 SAGA1 Remote controller for industrial use



SAGA1-K1/K2

8个单双按键含旋转钥匙
急停钮和报警蜂鸣器



SAGA1-K3/K4

12个单双按键, A/B 开关,
含旋转钥匙, 急停钮和报警蜂鸣器

符合欧体4级安规(EN-ISO13849-1 Cat.); 继电器接点侦测; 接收机警报蜂鸣器; 接收机提供输出电缆让您轻松且快速的完成安装;
F型接收机天线方便延伸外接

一般规格

操作频道	70个
识别码	超过100万种组合
频道间隔	25KHz
汉明码长度	>4
外壳	强化加玻璃纤维
工作温度范围	-40°C~+85°C
操作距离	可达100公尺

发射机

电源	“AA” 电池4个	
发射功率	小于10毫瓦	
尺寸(公厘)	163X49X45(SAGA1-K1/K2)	274X77X42(SAGA1-K3/K4)
重量(公克)	约210(SAGA1-K1/K2)	约385(SAGA1-K3/K4)

接收机

电源	24/48/110/220/380VAC(±20%)	
尺寸(公厘)	167X154X88(SAGA1-K1/K2)	310X160X95(SAGA1-K3/K4)
重量(公克)	约2100(SAGA1-K1/K2)含电机	约2900(SAGA1-K3/K4)含电机

特殊功能:

无线遥控配对: 遥控配对可透由无线电方式由接收机将功能设定、识别码及频道等资料以无线电方式传送并下载到发射机上, 以执行配对之工作, 此方式可避免攀爬天车之麻烦, 增加安全性及方便性。

发射机功率: 发射机可依据使用者需要调整发射输出功率, 共八段可供设定。

手动换频: 发射机以无线电方式遥控接收机执行换频工作, 接收机接到换频指令后, 即会自动搜寻一个最适合的操作频率, 同时将此操作频率送回至发射机并更新发射机之操作频率。

选购配件:



● 软件与USB烧录线



● 被动天线



● SAGA1-K 拷贝机



● SAGA1-K 保护套



● 12~24V DC/DC转换机

XAC 系列吊机控制站

XAC Pendant control stations series

□使用条件 Applicable environment

Conforming to standards		IEC947-5-1, EN60947-5-1, IEC337-1, NFC63-146, VDE0660-200
Approvals		NEMKO. Special version: UL Listed A600-Q600, CSA A600-Q600
Shock resistance		100g conforming to IEC68-2-27
Electric chock protectin		Class II conforming to IEC 536 and NF C 20-030
Degree of protection	Op.cycles	IP65 conforming to IEC 539, IP657 conforming to NF C20-010
Mechanical durability		1 million
Enclosure	A	Double insulated polypropylene, coloured yellow throughtout
Thermal current(Ith)	V	10
Rated insulation voltage(Ui)		ZB2-BEY ●●●●, XEN-G ●●●●, XAC-S ●●●●: 600, degree of pollution 3 XEN-T ●●●●●: 400, degree of pollution 3
Rated impulse withstand voltage(Uimp) kV		6 conforming to IEC947-1
Positive operation		Mushroom head pushbutton: N/C contact with positive opening operation to IEC947-5-1 section 3
Contact operation		N/C of N/O slow break
Terminal referencing		Conforming to CENELEC EN 50013
Short-circuit protection		10A cartridge fuse type gG(gl)
Cabling	mm ²	Screw and captive cable clamp terminals. Capacity: min.1x0.5,max., with or without cable end:2x1.5 or 1x2.5mm 2.6.3mm fast on connectors (on request), please consult your Regional customer centre

□外形尺寸 Dimensions

For control of single-speed reversing motor
(contact blocks ZB2-BE101+ZB2-BE102)

Number of ways	2	3	4	6	8	12
b	314	314	440	500	560	680
b1	190	190	250	310	370	490
c	80	80	80	80	80	92

1. For 2 and 3 -way XAC-A stations
2. For 4 of 8-way XAC-A stations
3. With mushroom head operator


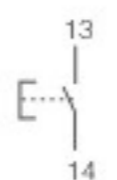
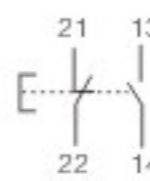


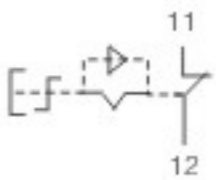
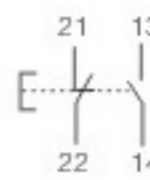
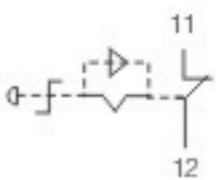


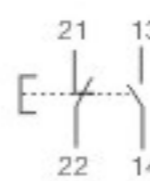


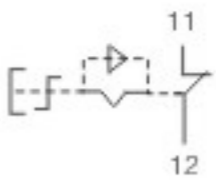
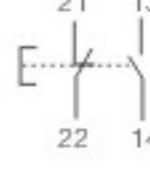
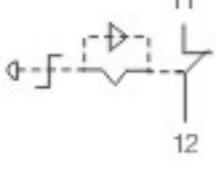

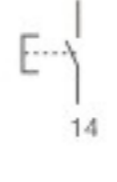
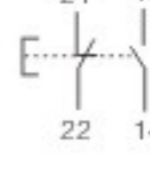

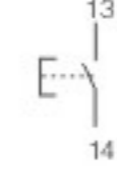
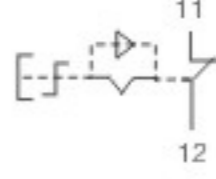
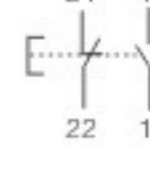
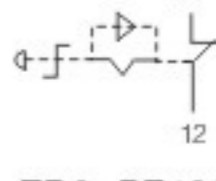
For control of single-speed reversing motor
(contact blocks XEN-G1191)

KM: high speed contactor

XAC系列吊机控制站

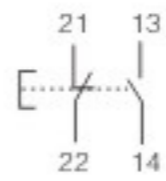

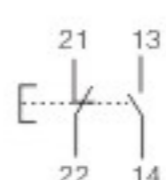


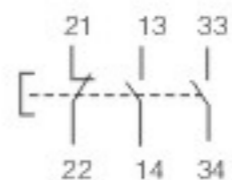
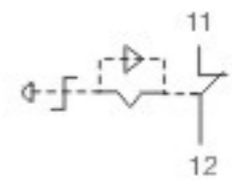


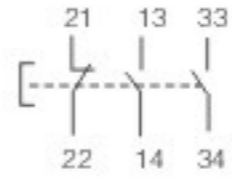
XAC Pendant control stations series

控制站系列

控制站 Control stations	说明 Description	contact blocks and scheme per direction for "emergency stop"	型号 Type
 XAC-A271	For control of single-speed motor	ZB2-BE101 	XAC-A271
	2 mechanically interlocked	ZB2-BE102 + ZB2-BE101 	XAC-A281
 XAC-A2713	2 mechanically interlocked +1 trigger action latching "Emergency stop" Φ30mm operator ZA2-BS44	ZB2-BE101  ZB2-BE102 	XAC-A2713
		ZB2-BE102 + ZB2-BE101  ZB2-BE102 	XAC-A2813
 XAC-A471	For control of single-speed motor	ZB2-BE101 	XAC-A471
	4 mechanically interlocked between pairs	ZB2-BE102 + ZB2-BE101 	XAC-A481
 XAC-A4713	4 mechanically interlocked +1 trigger action latching "Emergency stop" Φ40mm operator ZA2-BS44	ZB2-BE101  ZB2-BE102 	XAC-A4713
		ZB2-BE102 + ZB2-BE101  ZB2-BE102 	XAC-A4813
 XAC-A671	For control of single-speed motor	ZB2-BE101 	XAC-A671
	6 mechanically interlocked between pairs	ZB2-BE102 + ZB2-BE101 	XAC-A681
 XAC-A6713	6 mechanically interlocked between pairs +1 trigger action latching "Emergency stop" Φ40mm operator ZA2-BS44	ZB2-BE101  ZB2-BE102 	XAC-A6713
		ZB2-BE102 + ZB2-BE101  ZB2-BE102 	XAC-A6813

XAC系列吊机控制站


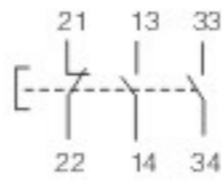

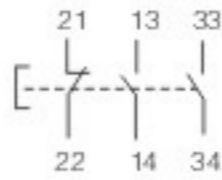
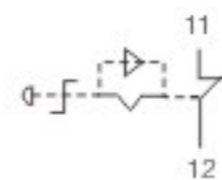



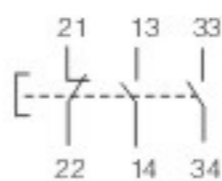
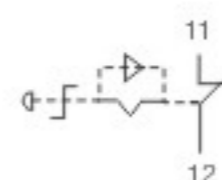

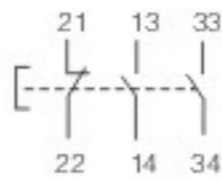
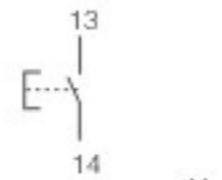
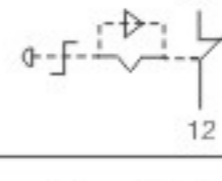

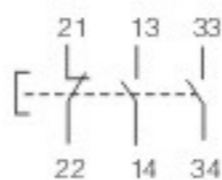

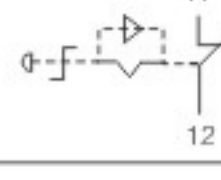
XAC Pendant control stations series

控制站 Control stations	说明 Description	contact blocks and scheme per direction for "emergency stop"	型号 Type
 <p>XAC-A871</p>	For control of single-speed motor	ZB2-BE101 	XAC-A871
	6 mechanically interlocked between pairs	ZB2-BE102 + ZB2-BE101 	XAC-A881
 <p>XAC-A8713</p>	6 mechanically interlocked	ZB2-BE101 	XAC-A8713
	+1 trigger action latching "Emergency stop" Φ40mm operator ZA2-BS44	ZB2-BE102 + ZB2-BE101 	XAC-A8813
 <p>XAC-A291</p>	For control of single-speed motor	1N/C+N/O+N/O staggered XEN-G1191 	XAC-A291
	2 mechanically interlocked		
 <p>XAC-A2913</p>	4 mechanically interlocked between pairs	1N/C+N/O+N/O staggered XEN-G1191 	XAC-A2913
	+1 trigger action latching "Emergency stop" Φ40mm operator ZA2-BS44	1N/C ZB2-BE102 	
 <p>XAC-A491</p>	For control of single-speed motor	1N/C+N/O+N/O staggered XEN-G1191 	XAC-A491
	4 mechanically interlocked between pairs		
 <p>XAC-A4913</p>	4 mechanically interlocked between pairs	1N/C+N/O+N/O staggered XEN-G1191 	XAC-A4913
	+1 trigger action latching "Emergency stop" Φ40mm operator ZA2-BS44	1N/C ZB2-BE102 	

XAC系列吊机控制站

XAC Pendant control stations series

控制站系列

控制站 Control stations	说明 Description	contact blocks and scheme per direction for "emergency stop"	型号 Type
 <p>XAC-A691</p>	<p>For control of two-speed motor</p> <p>6 mechanically interlocked</p>	<p>1N/C+N/O+N/O staggered XEN-G1191</p> 	<p>XAC-A691</p>
 <p>XAC-A6913</p>	<p>6 mechanically interlocked between pairs +1 trigger action latching "Emergency stop" Φ30mm operator ZA2-BS44</p>	<p>1N/C+N/O+N/O staggered XEN-G1191</p>  <p>1N/C ZB2-BE102</p> 	<p>XAC-A6913</p>
 <p>XAC-A891</p>	<p>8 mechanically interlocked between pairs</p>	<p>1N/C+N/O+N/O staggered XEN-G1191</p> 	<p>XAC-A891</p>
 <p>XAC-A8913</p>	<p>8 mechanically interlocked between pairs +1 trigger action latching "Emergency stop" Φ40mm operator ZA2-BS54</p>	<p>1N/C+N/O+N/O staggered XEN-G1191</p>  <p>1N/C ZB2-BE102</p> 	<p>XAC-A8913</p>
 <p>XAC-A4923</p>	<p>4 mechanically interlocked between pairs +1 trigger action latching "Emergency stop" Φ40mm operator ZA2-BS54</p>	<p>1N/C+N/O+N/O staggered XEN-G1191</p>  <p>1N/C102(b)</p>  <p>1N/C ZB2-BE102</p> 	<p>XAC-A4923</p>
 <p>XAC-A8923</p>	<p>8 mechanically interlocked between pairs +1 trigger action latching "Emergency stop" Φ40mm operator ZA2-BS54</p>	<p>1N/C+N/O+N/O staggered XEN-G1191</p>  <p>1N/C102(b)</p>  <p>1N/C ZB2-BE102</p> 	<p>XAC-A8923</p>

COP(COB)系列防雨型起重机用控制开关

COP(COB) Water-proof lifting button control switch Series

□产品用途

COP-系列防雨型起重设备用按钮式开关,系仿国外同类产品基础上加以精心改进的产品,扩大了使用功能,其技术性能达到国外九十年代先进水平,开关采用全前塑外壳,结构合理,产品配置橡胶电缆护套和防水密封条,具有良好的防尘防雨淋性能,其防护性能达到IP54级,所以本开关特别适用于露天、有雨雪、多尘埃侵害环境的电路的控制系统中,如起重机、电动葫芦等设备远距离控制。

除电源开关“通”按钮能自锁外,其余按钮具有自动复位性能,并且具有正反向控制的机械联锁机构,不仅简化了电路,而且有效地保护电路及设备运行。

该产品符合Q/YDD02-00, GB14048.5-2001和 EN60947-5-1:1997标准。

□Products usage

Water-proof Lifting Button Switches of COP-series are precisely approved on the same kind of the domestic and foreign products. This enlarges the operational functions. The technical competence comes up to the advanced world standards of the nineties. The products are noted for their plastic outer casing, artistic appearance and rational design Equipped with rubber protective casings and water-proof performance. The protective function reaches grade IP54. This is why our products are especially suitable for using in the circuit control system in the open air encroached upon by rain and snow such as in the remote control of lifters and electric bocks.

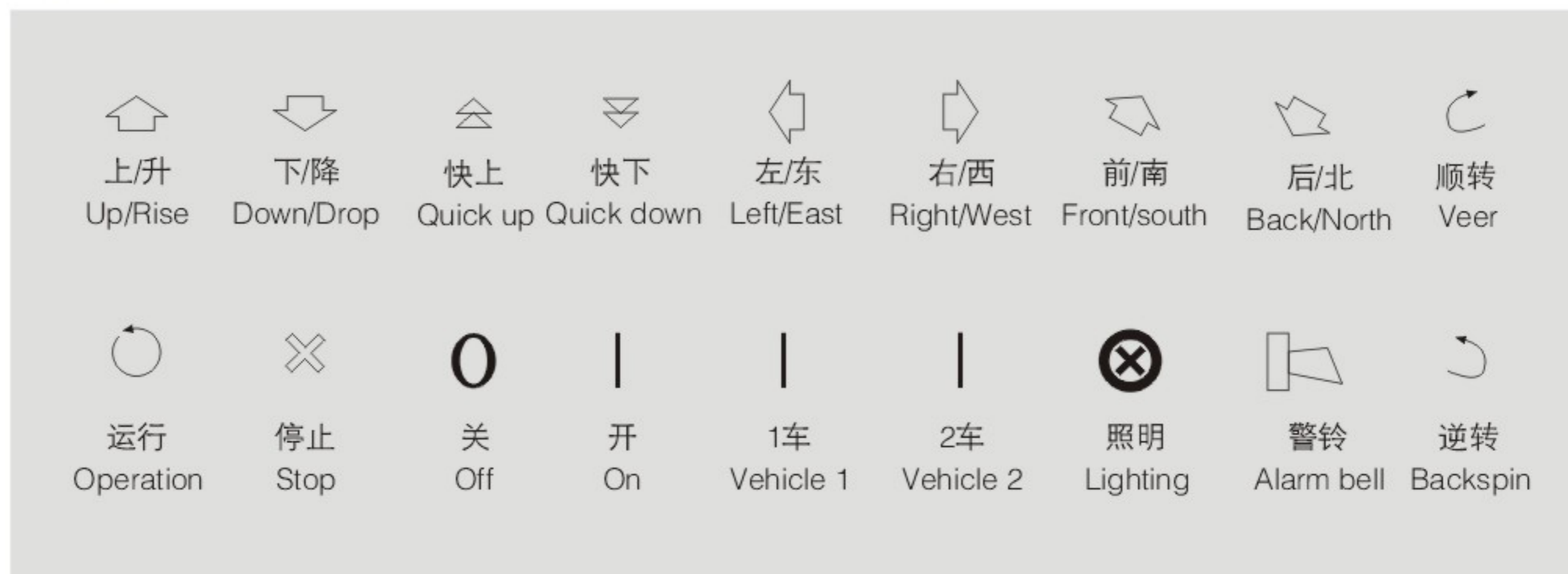
Except the self-lock of the on-button of the main switch, the other buttons all have the automatic and front-to-back control mechanical interlockers as well. It not only simplifies the circuit, but also effectively protects the motion of the circuit and the appliances.

Q/YDD02-00, GB/4048.2001 and EN60947.5.1:1997.

□产品用途Models and meaning



□按钮标记Button marks



COPP系列防雨型起重机用控制站 COPP Pendant control stations series

控制站系列



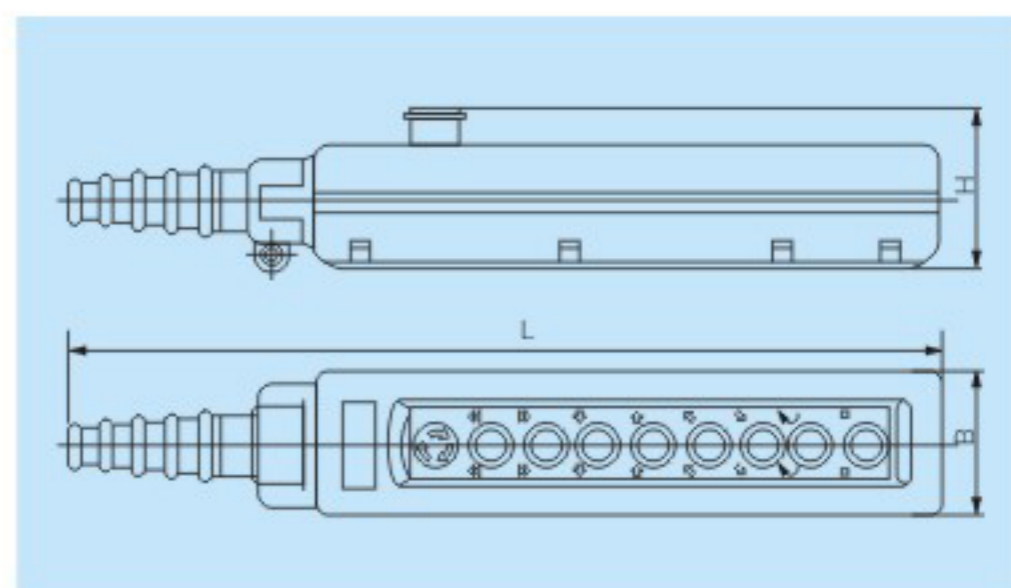
间接控制系列

代号	电气原理图	特征	技术参数
A-控制电源开关		按钮自锁, 当接通或断开旋转30°, 自动复位	Ui: 500V~ Ith: 10A AC-15 380V~2A 220V~3.5A
B-起动停止钮		两组不联锁; 自动复位动作时, 常开先分断, 常开接通。(还有不同组合)	
S-双速钮		两组联锁、自动复位, A型按钮至第一位时, 常开分断, 常开接通, 再按到底, 滞后常开接通 B型按钮至第一位时, 超前常开接通, 再按到底, 常开接通	
P-动合常开		旋柄自锁, 二位; 手动复位; 两钮不联锁(可联锁); 各钮一常开(一常闭一常开)	

该产品符合Q/YDDO2-00, JEC.60947-5-1, GB14048.5-2001标准

外形及安装尺寸

代号	钮数	L×B×H
ZD2.655.031	3	310×78×85
ZD2.655.032	5	370×78×85
ZD2.655.033	7	430×78×85
ZD2.655.034	9	490×78×85
ZD2.655.035	11	550×78×85



型号及含义



方向符号:

(双速)

(A钮) 控制电源开关

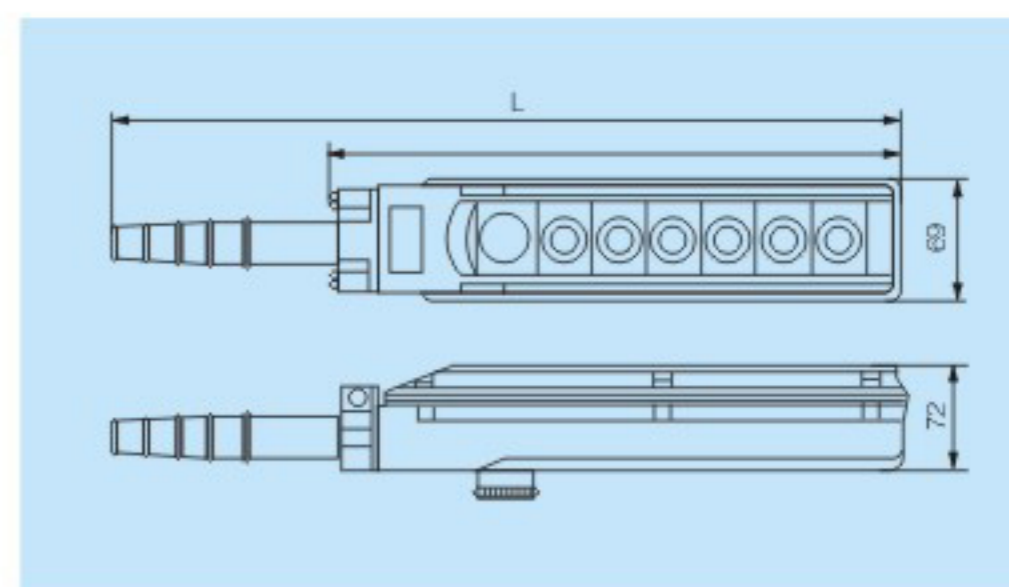
COPC系列防雨型起重机用控制站 COPC Pendant control stations series

间接控制系列

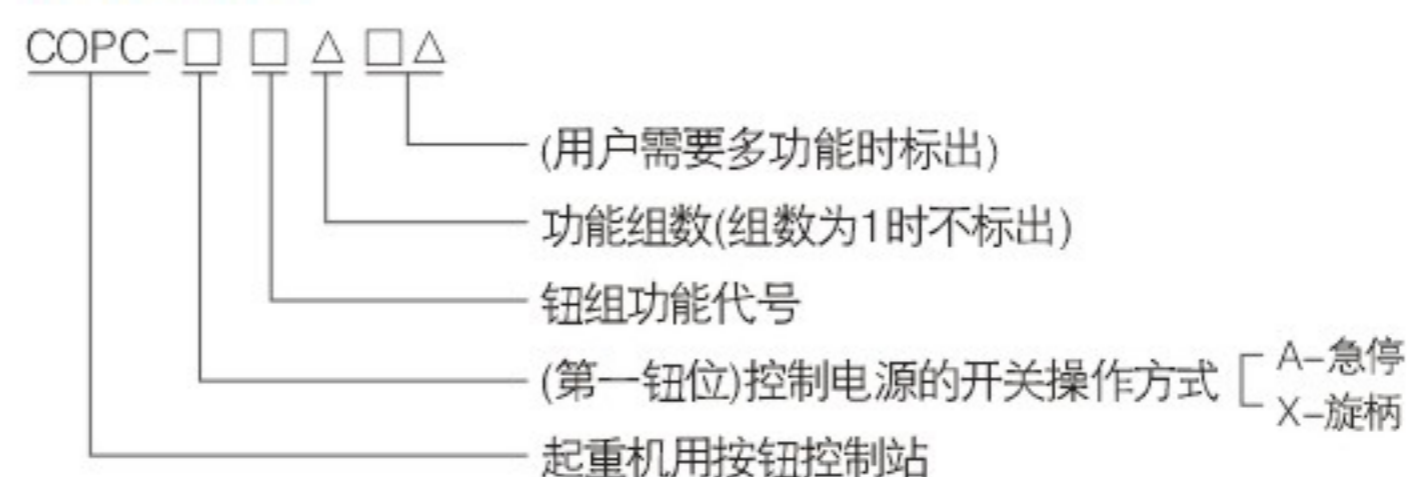
代号	电气原理图	特征	技术参数
A-控制电源开关		推锁旋放式急停钮；一常闭(一常闭一常开)	Ui: 500V~ Ith: 10A AC-15 380V~2A 220V~3.5A
P-动合常开		两组联锁、自动复位，公共(也可单独)进线端；各钮一常开(一常闭一常开)	
B-起动停止钮		两组不联锁(可联锁)；自动复位，一钮常闭、一钮常开(各钮一常闭一常开)	
X-选择钮(组)		旋柄自锁，二位；手动复位；两钮不联锁(可联锁)；各钮一常开(一常闭一常开)	

外形及安装尺寸

代号	钮数	L×B×H
ZD2.655.081	3	300×69×72
ZD2.655.082	5	360×69×72
ZD2.655.083	7	420×69×72
ZD2.655.084	9	480×69×72
ZD2.655.085	11	540×69×72



型号及含义



方向符号:

(双速)

(A钮) 控制电源开关

COPE系列防雨型电动葫芦按钮控制站 COPE Pendant control stations series



产品特点

COPE-防雨型葫芦按钮控制站是以国外链式双速电动葫芦开关为基础加以改进的产品。外观坚固美观，握持轻巧，正反(升降)钮组机械联锁，自动复位；每个钮设有两个档位(两付先后动合常开触头)，实现单钮快慢双速操作；具有推锁旋放按钮作为紧急保护，使操作更安全、可靠。产品具有IP65级防水防尘性能,适用于有雨雪、多尘埃侵害的环境，配套国内外多种单双速电动葫芦。

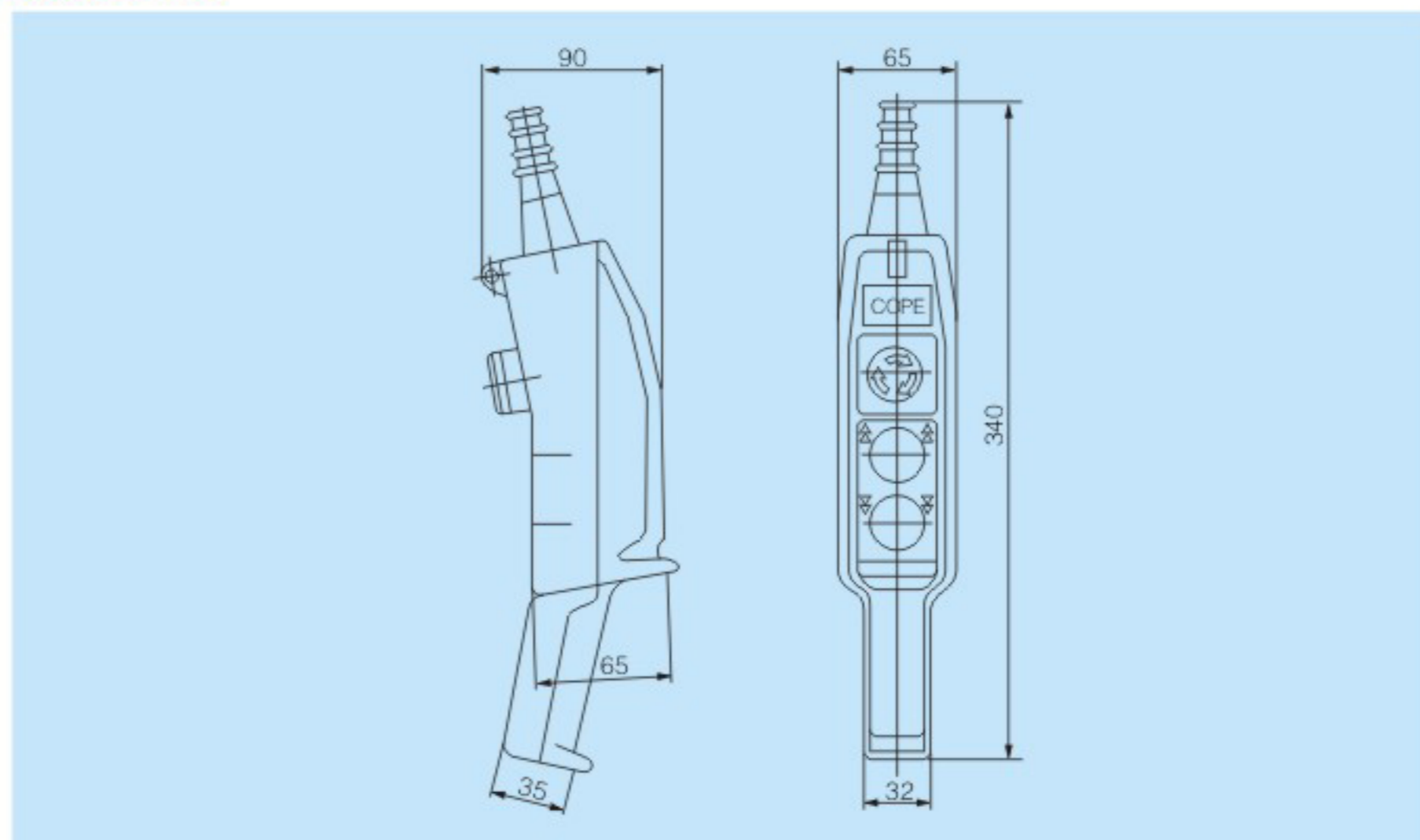
型号及含义



控制功能及电气原理图

代号	电气原理图	特征	技术参数
A-控制电源开关		推锁旋放式急停钮: -常闭(-常闭-常开)。	Ui: 500V~ Ith: 10A AC-15 380V~2A 220V~3.5A
Sc双速钮		双速按钮至第一档位时常开接通，按至第二档位另一位常开按钮(第一位保持接通)。	
Sa或Sb双速钮		A型钮，按至第一位时，常闭分断，常开接通；再按到底，滞后常开接通。	

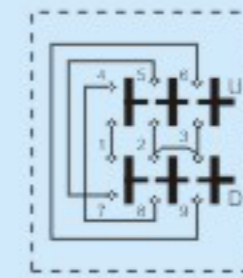
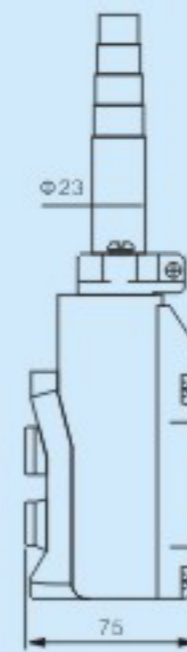
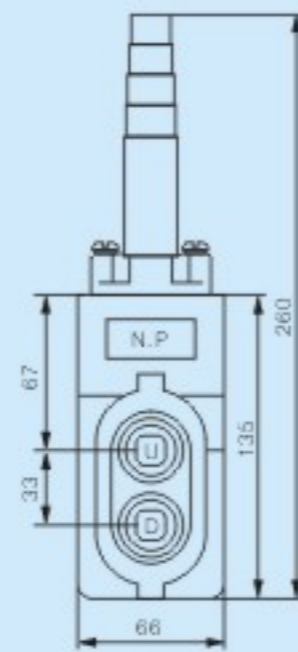
外形尺寸图



COP系列防雨型起重机用控制站 COP Pendant control stations series



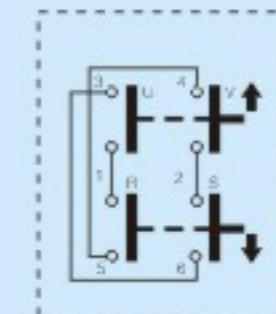
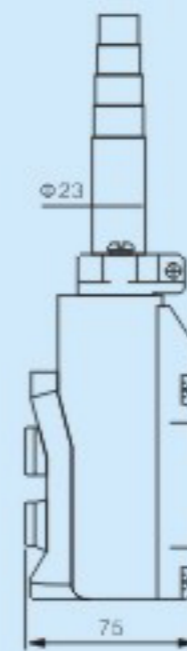
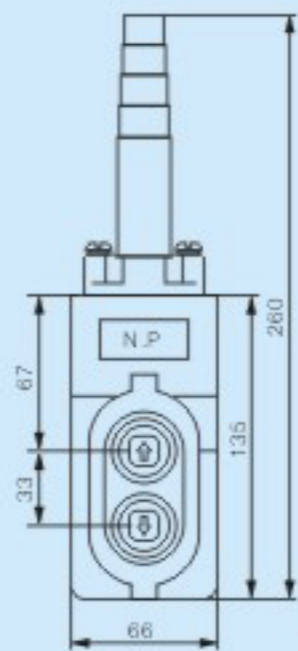
COP-213



1.3电源
6.1主接线
4.5启动线



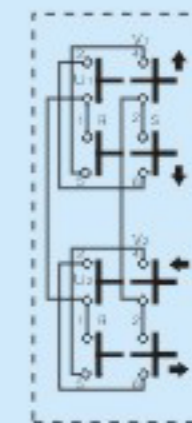
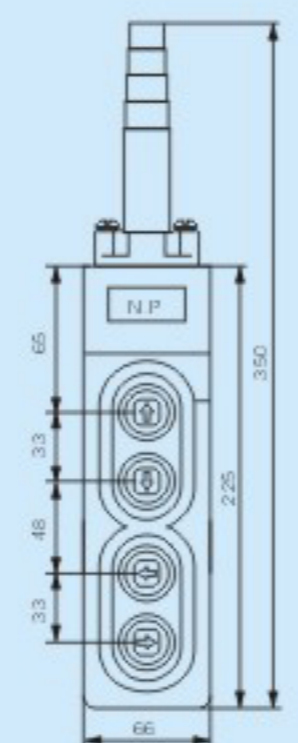
COP-21



R.S: 电源
U和V: 马达(1)
①和②端子数



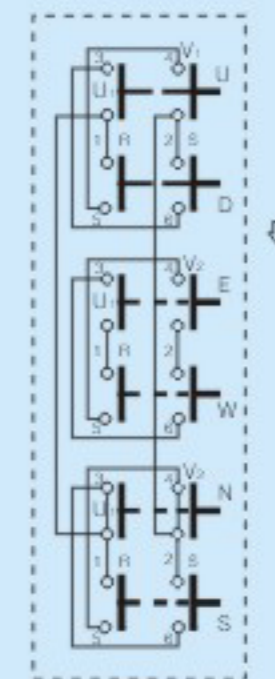
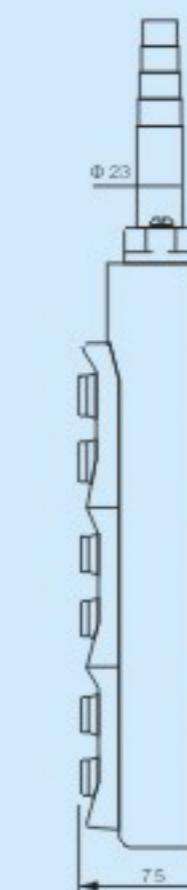
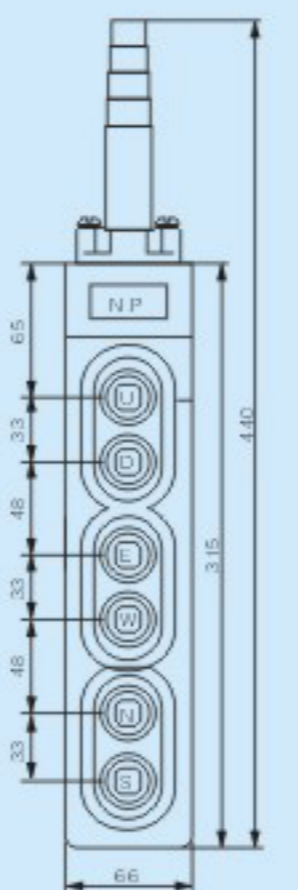
COP-22



R.S: 电源
U₁和V₁: 马达(1)
U₂和V₂: 马达(2)
①和②端子数



COP-23



R.S: 电源
U₁和V₁: 马达(1)
U₂和V₂: 马达(2)
U₃和V₃: 马达(3)
①和②端子数