

K.Ultra

STAGE ELECTRIC HOIST

K.Ultra 系列舞台电动葫芦

C1

型号/MODEL: K.Ultra-MUSES 0.5T 2Br

起升速度/LIFTING SPEED: 0-19M/MIN

起升重量/SAFE WORKING LOAD: 500KG

产品符合德国 BGV C1 (IGVW SQP2) 标准

THE PRODUCT COMPLIES WITH THE GERMAN BGV C1 (IGVW SQP2) STANDARD



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IP66 grade protection

High strength shell made of die casting aluminum alloy. Corrosion and rust resistance, high sealing performance workable in the rain. easy installation, light weight, good heat dissipation.

Helical gear multi-drive transmission

Gears precision grade 6, low noise, safe operation, oil lubricated, maintenance free after sealing. Gear box has the function of temperature regulation for longer life.

Clutch

Wet clutch friction pad. Overload protection, anti-collision. Maintenance free.

Electromagnetic brake

Maintenance free electromagnetic brake for harsh environment. It will lock the brake immediately when power source is off.

High performance electric motor

Small size, high starting torque, meet high frequency continuous work, insulation grade F, Optional motor overheating protection device.

G100 grade load chains

8620D alloy steel lifting chain, in line with European EN818-7 standard.



防护等级IP66

高强度铝合金外壳，压铸一体成型，耐腐蚀，不生锈，高密封性，可在雨中作业，安装方便，自重轻，散热好。

减速箱多层斜齿传动

齿轮精度等级6级，运行静音安全，齿轮箱采用完全油谷润滑，密封后可实现终身免维护，具有温度调节功能，寿命长。

离合器

湿式离合摩擦片，具有超载保护功能，以及防止冲顶，终身免维护设计。

电磁刹车

断电后第一时间放开，刹车抱死，安全可靠，制动器完全封闭免维护设计，满足恶劣环境工作要求。

高性能电机

体积小，启动转矩高，满足高频率持续工作，绝缘等级F级，可选配电机过热保护装置。

G100级链条

8620D合金钢起重链条，符合欧洲EN818-7标准。

标准配置

- 设备型号: K.Ultra-MUSES 0.5T 2Br
- 起重量符合 BGV C1 (IGVV SQP2)标准: 500Kg 双刹车
- 提升速度(m/min): 0-19
- 供电电压: 380-415V、3ph、+PE、50/60Hz;
220-230V、3ph、+PE、50/60Hz。
- 控制电压: 控制系统配合输出
- 供电电缆: 可根据客户需求定制
- 控制电缆: 可根据客户需求定制
- 链条尺寸 EN818-7(mm): 7.1*21
- 链条重量(kg/m): 1.8
- 链条等级: G100
- 链条表面: 磷化(黑色)
- 导链器: 带有4个链窝链轮的精密导链器
- 链条行数: 1
- 链条袋: 1纺织链条袋, 可拆卸, ≤30米
- 离合器: 获得专利的摩擦离合器, 用于过载保护。
- 满载噪音(dB): ≤60
- 制动器: 2个直流制动
- 吊钩: 1个下(可旋转)
- 悬挂方式: 吊环悬挂
- 安装方式: 固定(正挂)
- 塑料手柄: 无
- 防护等级: IP66
- 不含链条的重量(kg): 52
- 电机功率(KW): 1.9
- 电流消耗(A): 5
- 机械等级/FEM9.511: 1Bm/25%ED
- 电子限位: 直接调节位置外置电子触点限位
- 编码器: 增量式编码器, 适用于变频器模式
- 颜色: 黑色, 色号RAL 9005 哑光

选装配置

- **电子限位 选装** 内部调节机械旋转电子限位, 形成四点限位(见图6, P9)
- **编码器 选装** 预留编码器安装位 (低速链轮输出轴或高速电机轴)
- **悬挂方式 选装** 吊钩(见图2, P6)
- **称重检测 选装** 称重传感器
- **电磁刹车 选装** 电磁刹车开合反馈
- **电磁刹车 选装** 超静音刹车
- **连接插口 选装** 重载连接器

STANDARD VERSION

- MODEL: K.Ultra-MUSES 0.5T 2Br
- SWL acc. BGV C1 (IGVV SQP2): 500Kg double brake
- Lifting Speed (m/min): 0-19
- Supply voltage: 380-415V, 3ph, +PE, 50/60Hz;
220-230V, 3ph, +PE, 50/60Hz.
- Control voltage: coordinated output with control system
- Service cable: Can be customized according to customer needs
- Control cable: Can be customized according to customer needs
- Chain acc. EN818-7 (mm): 7.1*21
- Chain net weight (kg/m): 1.8
- Grade of chain: G100
- Chain surface: Galvanized (White)
- Chain Guide: Precise chain guide with 6-pocket chain wheel
- Chain falls : 1
- Chain bag: 1 textile chain bag, detachable, ≤30 meters
- Clutch: Patented friction clutch for overload protection
- Full load noise level (dB): ≤60
- Brake: 2 DC brakes
- Load hook: 1-fall / turnable
- Suspension: Suspension ring
- Mounting position: Stationary
- Plastic handles : without
- Protection level : IP66
- Weight without chain (kg): 52
- Motor power (KW): ca.1.9
- Current consumption (A): ca.5
- Mechanism class /FEM9.511: 1Bm/ 25% ED
- Electronic limit: directly adjusted external touch point limit
- Encoder incremental encoder, for frequency converter
- Color:black, RAL 9005 matt

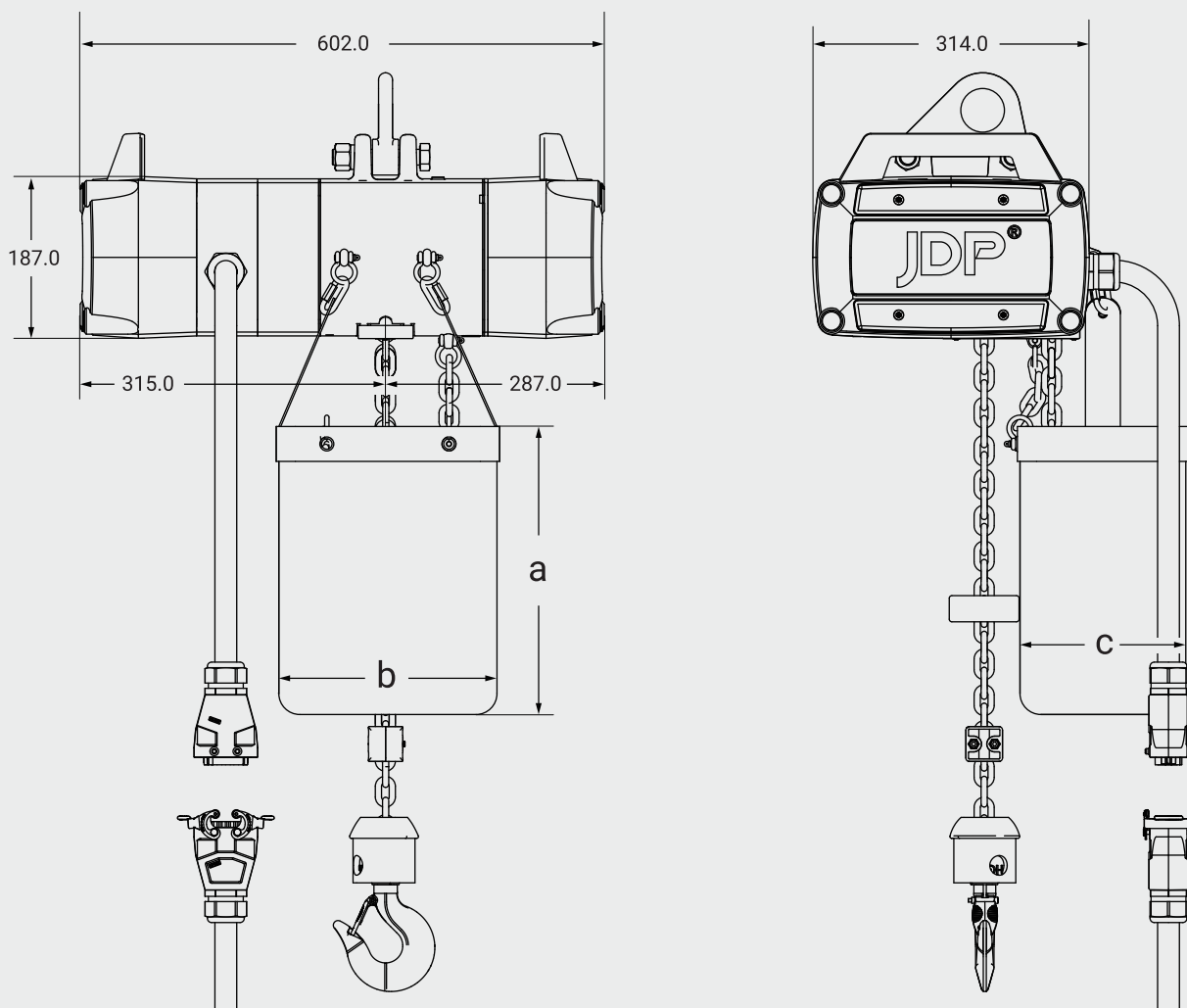
OPTIONAL

- **Electronic Limit Optional** Internal adjustment of mechanical rotation electronic limit to form a four-point limit (See Figure 6, P9)
- **Encoder Optional** Reserved encoder mounting position (low speed sprocket output shaft or high speed motor shaft)
- **Suspension method Optional** Hook (See Figure 2, P6)
- **Weighing monitoring device Optional** Load cells
- **Electromagnetic brakes Optional** Electromagnetic brake opening and closing feedback
- **Electromagnetic brakes Optional** Ultra-quiet brakes
- **Connect the socket Optional** Overloaded connectors

ELECTRIC CHAIN HOIST SIZE

电动葫芦尺寸表

图1/Figure 1



注：单位mm/Note:Unit mm

链条袋规格/CHAIN BAG SPECIFICATION			
链条长度 CHAIN LENGTH(m)	链条袋尺寸/CHAIN BAG SIZE(mm)		
	a	b	c
10	200	250	180
20	250	250	180
30	350	250	180

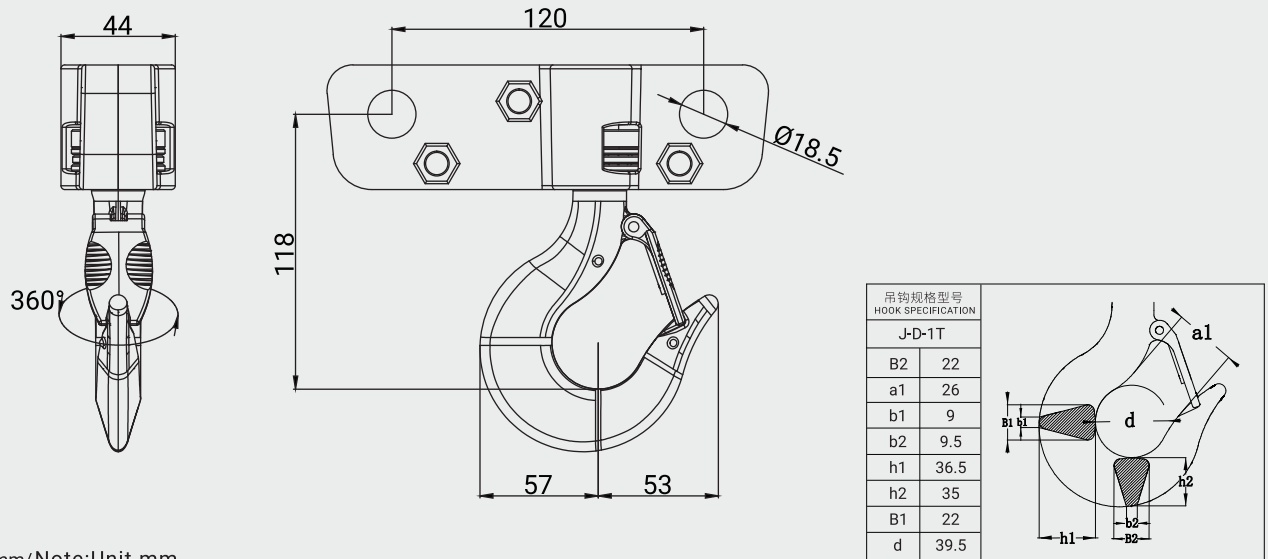
OPTIONAL HOOK SUSPENSION ASSEMBLY

吊挂组件

配置1：360°旋转吊钩悬挂组件

Standard 1: 360° rotating hook suspension assembly

图2/Figure 2

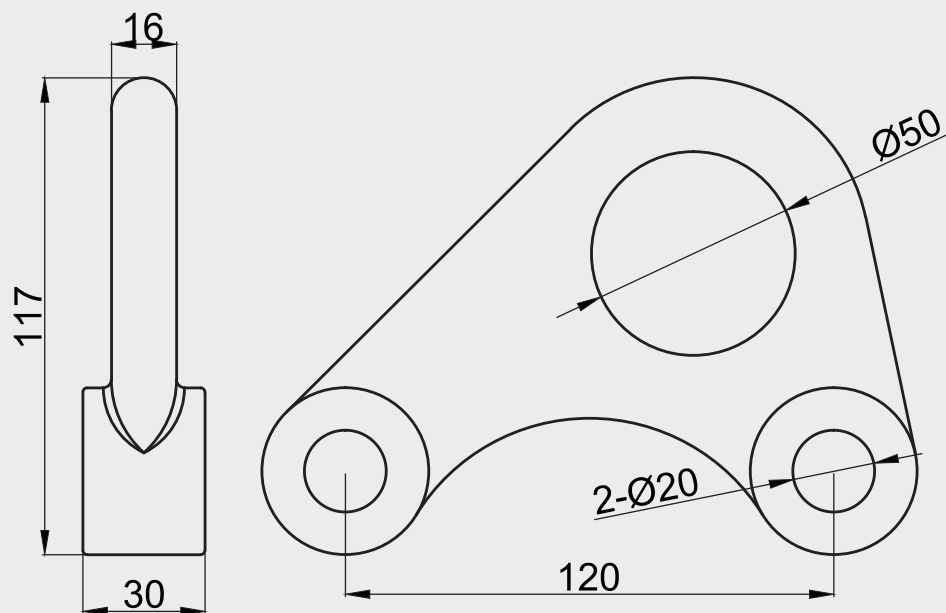


注：单位mm/Note:Unit mm

配置2：吊环组件

Standard 2: Lifting ring assembly

图3/Figure 3

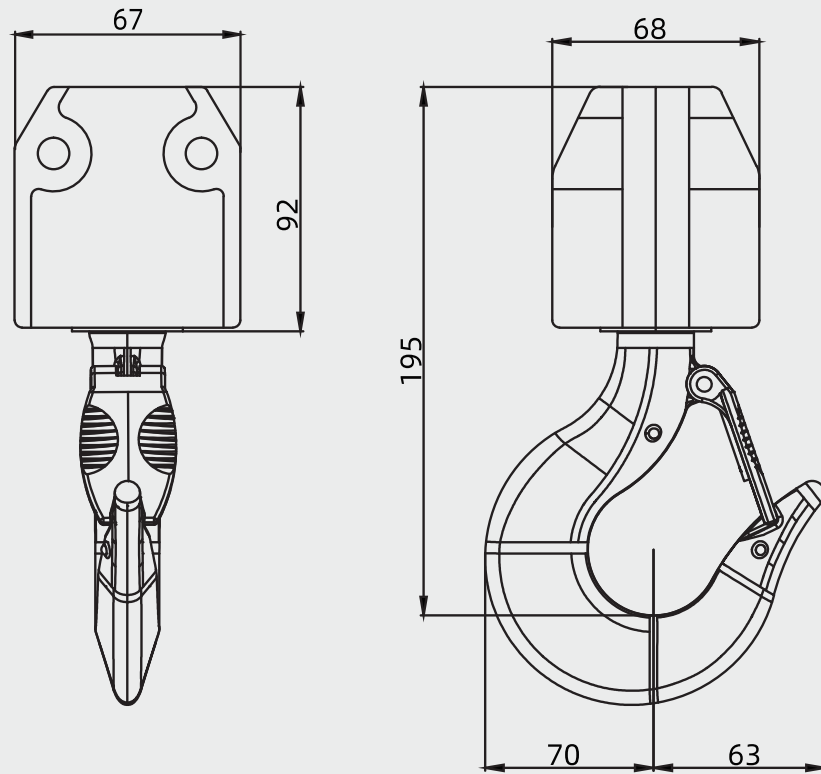


注：单位mm/Note:Unit mm

HOOK ASSEMBLY

吊钩组件

图4/Figure 4



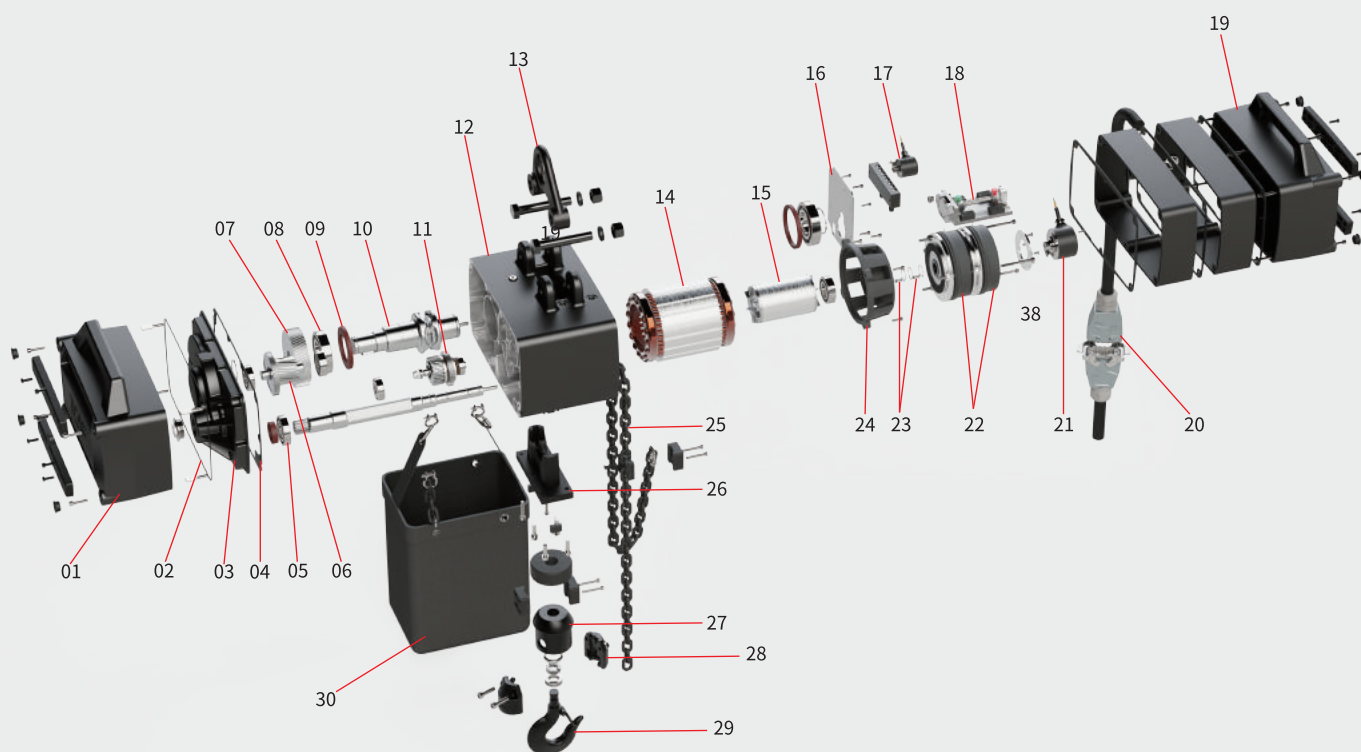
吊钩规格型号 HOOK SPECIFICATION	a1	b1	b2	d	h1	h2	B1	B2
J-D-1T	34	16	16.5	48	45.5	42	32	33

Detailed technical drawing of the hook assembly showing dimensions a1, b1, b2, d, h1, h2, B1, and B2.

注：单位mm/Note:Unit mm

PRODUCT STRUCTURE

产品结构表



01:齿轮箱端前盖	10:起重链轮	20:重载连接器	26:尼龙导链架
02:齿轮箱前盖密封橡胶垫	11:离合器	21:增量式编码器	27:下钩胶套
03:齿轮箱盖	12:箱体	22:电磁刹车	28:下钩夹板
04:齿轮箱端纸垫	13:吊环	23:键6*14	29:吊钩
05:6204轴承	14:定子	24:刹车网罩	30:链兜
06:慢速组合轮	15:转子	25:链条	
07:慢速齿轮大齿	16:电气		
08:6208轴承	17:绝对值编码器		
09:油封	18:四点限位总成		
	19:电器后盖		

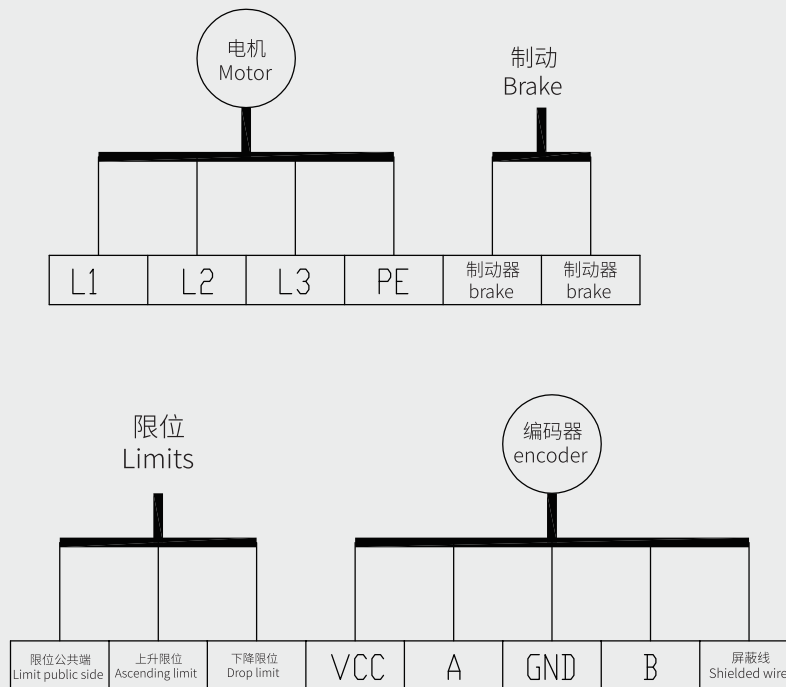
01:front cover of gear box	10:lifting sprocket	20:heavy loading socket	26:nylon chain guide
02:rubber seal for gear box front cover	11:clutch	21:Incremental encoder	27:lower hook rubber bush
03:gear box cover	12:box	22:electro-magnetic brake	28:down hook splint
04:paper seal for gear box	13:lifting ring	23:keyboard 6*14	29:hook
05:6204 bearing	14:stator	24:brake net cover	30:chain bag
06:low speed combination gear	15:rotor	25:chain	
07:low speed gear big	16:electrical equipment		
08:6208 bearing	17:absolute encoder		
09:oil seal	18:Four-point limit assembly		
	19:rear cover for electric end		

ELECTRICAL WIRING DIAGRAM

电器线路图

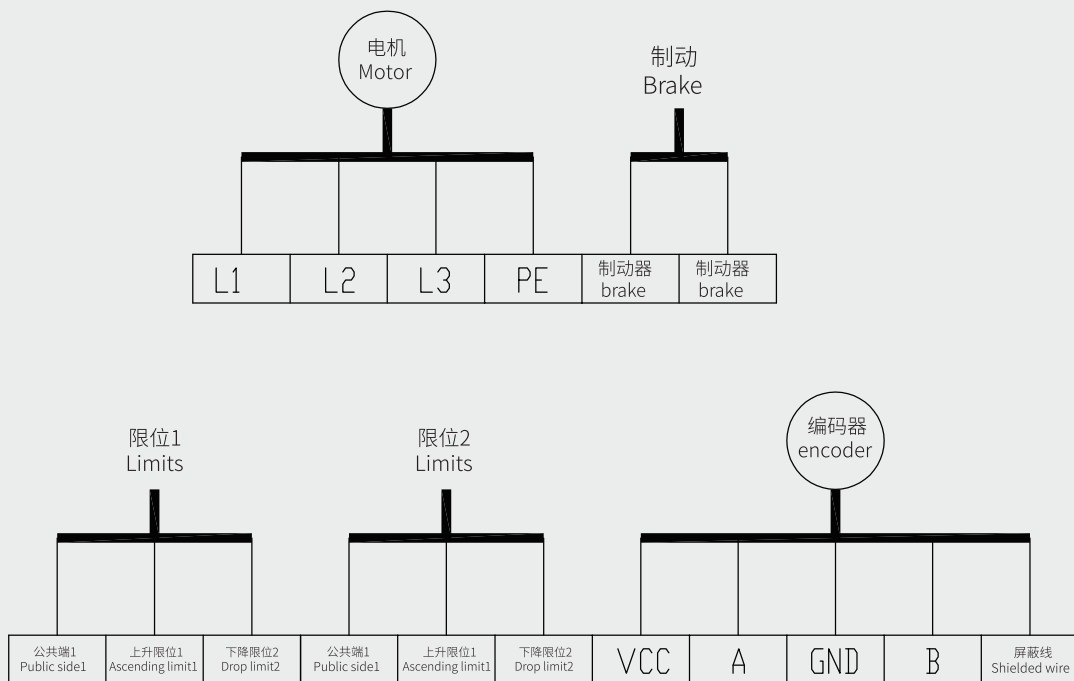
高压编码器双限位/High voltage encoder double limits

图5/Figure 5



高压编码器四限位/The high-voltage encoder has four limits

图6/Figure 6





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