

Ultra

STAGE ELECTRIC HOIST

Ultra系列舞台电动葫芦



型号/MODEL: Ultra-D8 500 LV (1Br)

起升速度/LIFTING SPEED: 4M/MIN

起升重量/SAFE WORKING LOAD: 500KG

产品依照DGUV V54标准符合D8标准

THE PRODUCT COMPLIES WITH DGUV V54 D8 STANDARD

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产品图片仅供参考，以实物为准。

Images are for reference only. Please refer to the actual product.

IP66 grade protection

Durable nylon shell with integrated die-cast aluminum housing. Corrosion-resistant, rust-free, and highly sealed for reliable outdoor use. Lightweight, easy to install, and excellent 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 DAT load chains

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



无需拆卸即可正倒挂。

Easy forward and reverse hanging without disassembly.

防护等级IP66

高强度尼龙外壳，铝合金箱体，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

断电后第一时间释放，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DAT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: Ultra-D8 500 LV (1Br)
- 起重量符合 BGV D8(DGUV Vorschrift 54): 500KG 单刹车
- 提升速度 (m/min): 4
- 供电电压: 380-415V、3ph、+PE、50/60Hz;
220-230V、3ph、+PE、50/60Hz (见图5,P9)
- 1m电缆, 带CEE-16 / 4
- 链条尺寸 EN818-7 (mm): 5.2*15
- 链条重量 (KG/m): 1.1
- 链条等级: G100 (DAT)
- 链条表面: 磷化 (黑色)
- 导链器: 带有5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: 1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: 自爬或固定 (正挂或倒挂)
- 手柄: 标配
- 防护等级: IP66
- 不含链条重量及吊环、控制线裸机重量(KG): 48
- 电机功率 (KW): 1.5
- 电流消耗 (A): 在380V时为3.7
- 机械等级: FEM 1Am/ISO M4
- 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
- 电子限位 选装 直接调节上下电子触点限位 (见图6,P9)
- 悬挂方式 选装 吊钩 (见图2,P6)

STANDARD VERSION

- Model : Ultra-D8 500 LV (1Br)
- SWL acc. BGV D8(DGUV Vorschrift 54) : 500KG Single brake
- Lifting speed (m/min) : 4
- Supply voltage:
380-415V, 3ph, +PE, 50/60Hz;
220-230V, 3ph, +PE, 50/60Hz (See Figure5, P9)
- 1m cable with CEE-16/4
- Chain acc. EN818-7 (mm) : 5.2*15
- Chain net weight (KG/m) : 1.1
- Grade of chain : 100(DAT)
- Chain surface : phosphating (black)
- Chain guide : precise chain guide with 5-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: 1 DC brake
- Load hook: 1-fall / turnable
- Suspension: suspension ring
- Mounting position: climbing & stationary
(upside hung&upside down)
- Handles: standard
- Protection level: IP66
- Net weight without chain, hook & suspension, direct control (KG): 48
- Motor power (KW) : ca. 1.5
- Current consumption (A): ca. 3.7 at 380V
- Mechanism group: FEM 1Am/ISO M4
- Color: black, RAL 9005 matt

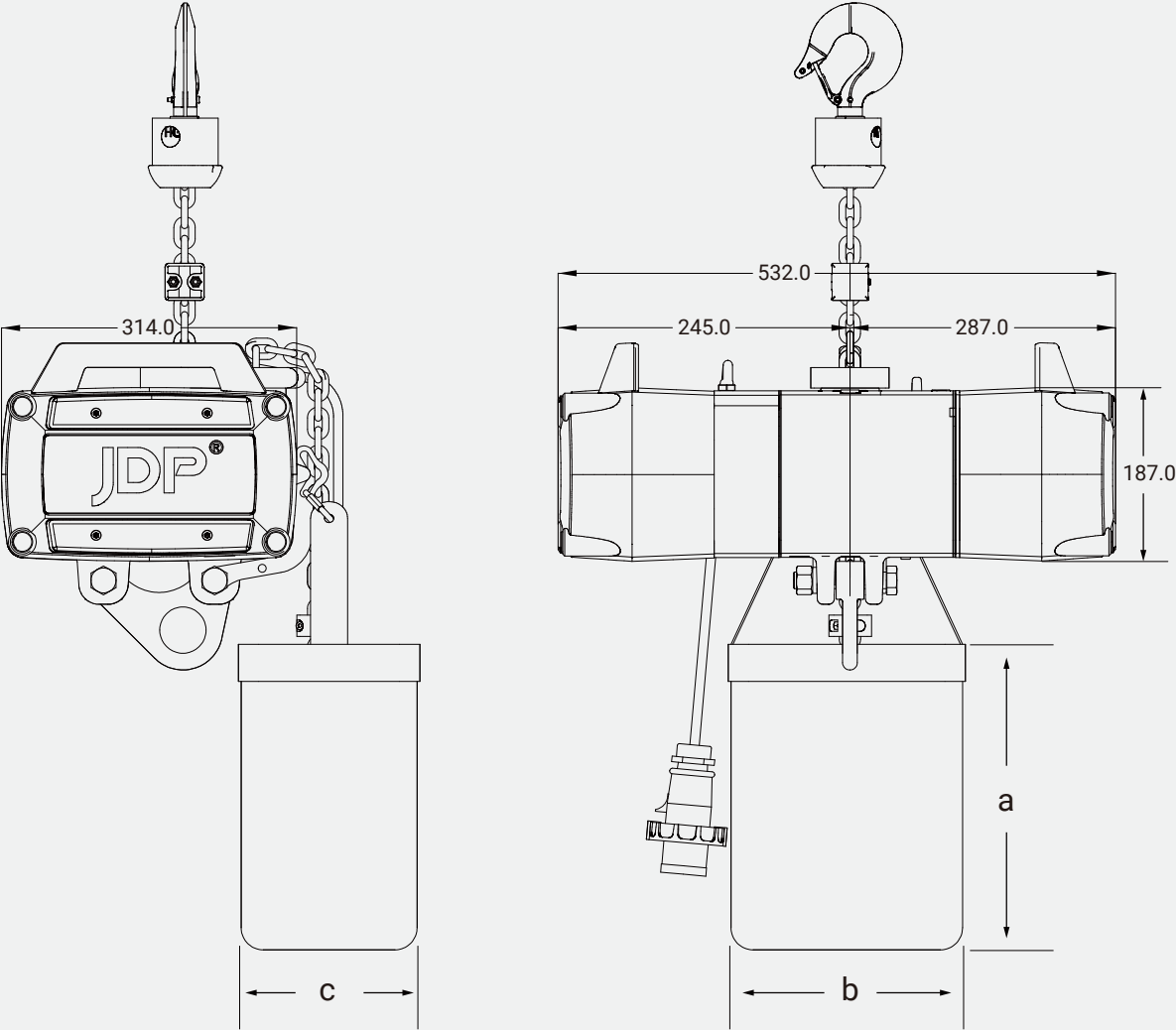
OPTIONAL

- Electronic limit switch, optional, internal adjust mechanical rotation electronic limit
- Electronic limit switch, optional, directly adjust the up and down electronic contact limit switch (See Figure 6, P9)
- Suspension method, optional, hook (See Figure2, P6)

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

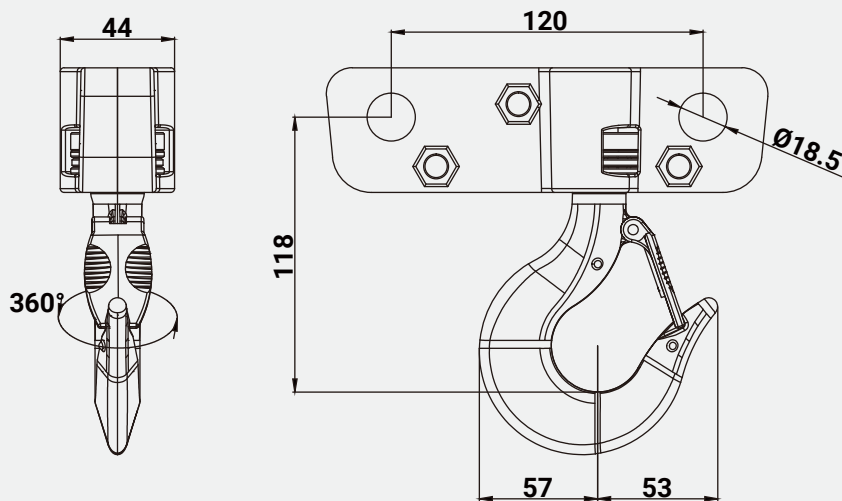
OPTIONAL HOOK SUSPENSION ASSEMBLY

吊挂组件

配置1：360°旋转吊钩悬挂组件

图2/Figure 2

Standard 1: 360° rotating hook suspension assembly



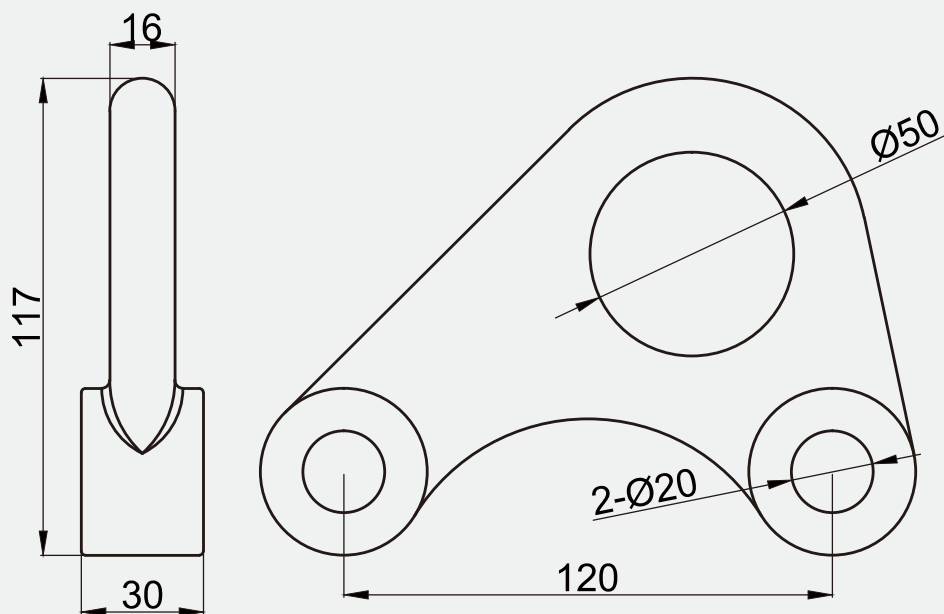
注：单位mm/Note:Unit mm

吊钩规格型号 HOOK SPECIFICATION	
J-D-1T	
B2	22
a1	26
b1	9
b2	9.5
h1	36.5
h2	35
B1	22
d	39.5

配置2：吊环组件

图3/Figure 3

Standard 2: Lifting ring assembly

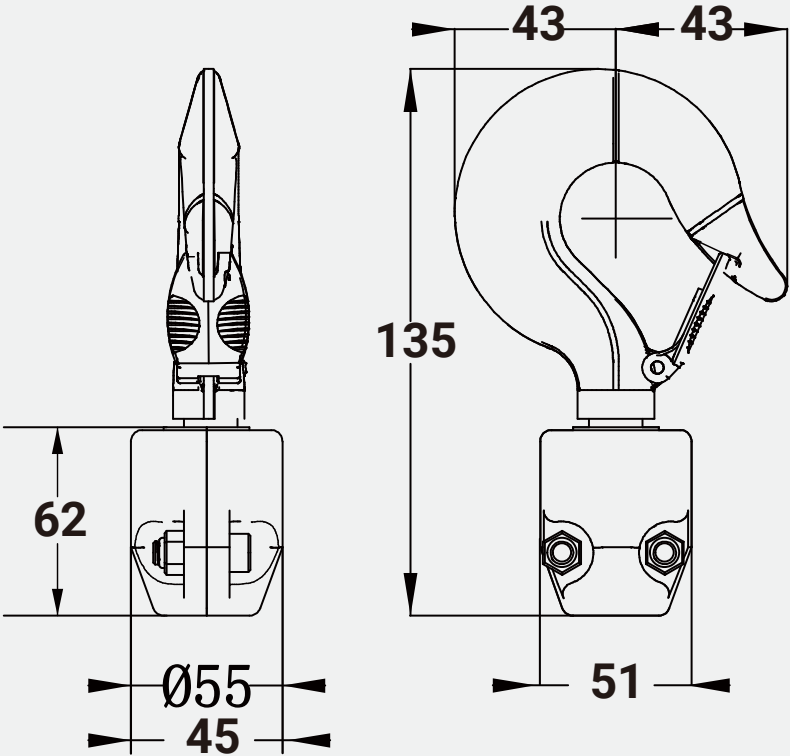


注：单位mm/Note:Unit mm

HOOK ASSEMBLY

吊钩组件

图4/Figure 4



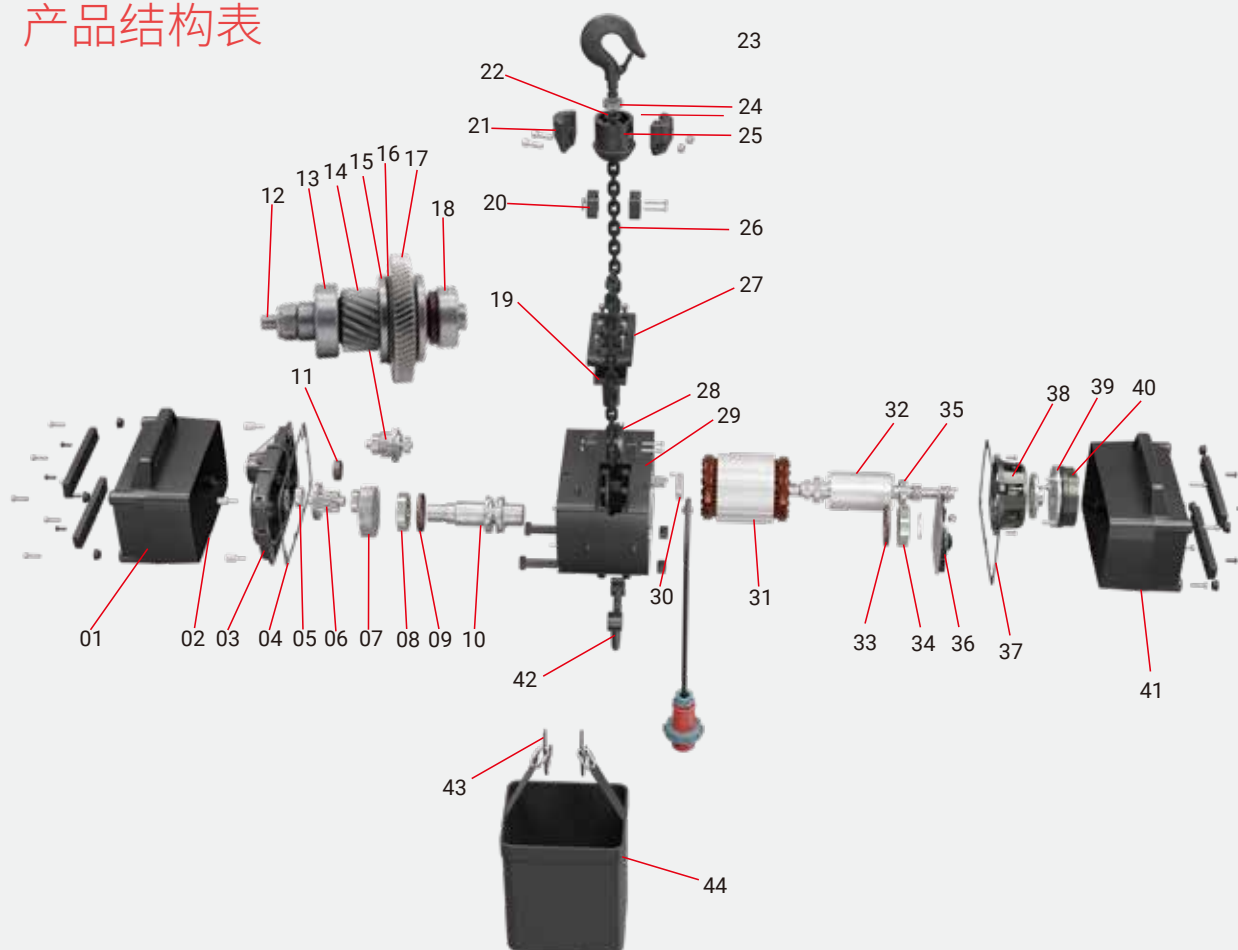
吊钩规格型号 HOOK SPECIFICATION	a1	b1	b2	d	h1	h2	B1	B2
J-D-0.5T	25	8.5	9.2	35	26.5	27	17.5	16.5

Detailed technical drawing of the hook's throat and base area. It shows the internal profile of the hook with various dimensions labeled: 'a1' for the throat thickness, 'd' for the throat diameter, 'h1' for the throat height, 'h2' for the base height, 'b1' for the throat width, 'b2' for the base width, 'B1' for the throat outer width, and 'B2' for the base outer width. The drawing uses hatching to indicate different material sections.

注：单位mm/Note:Unit mm

PRODUCT STRUCTURE

产品结构表

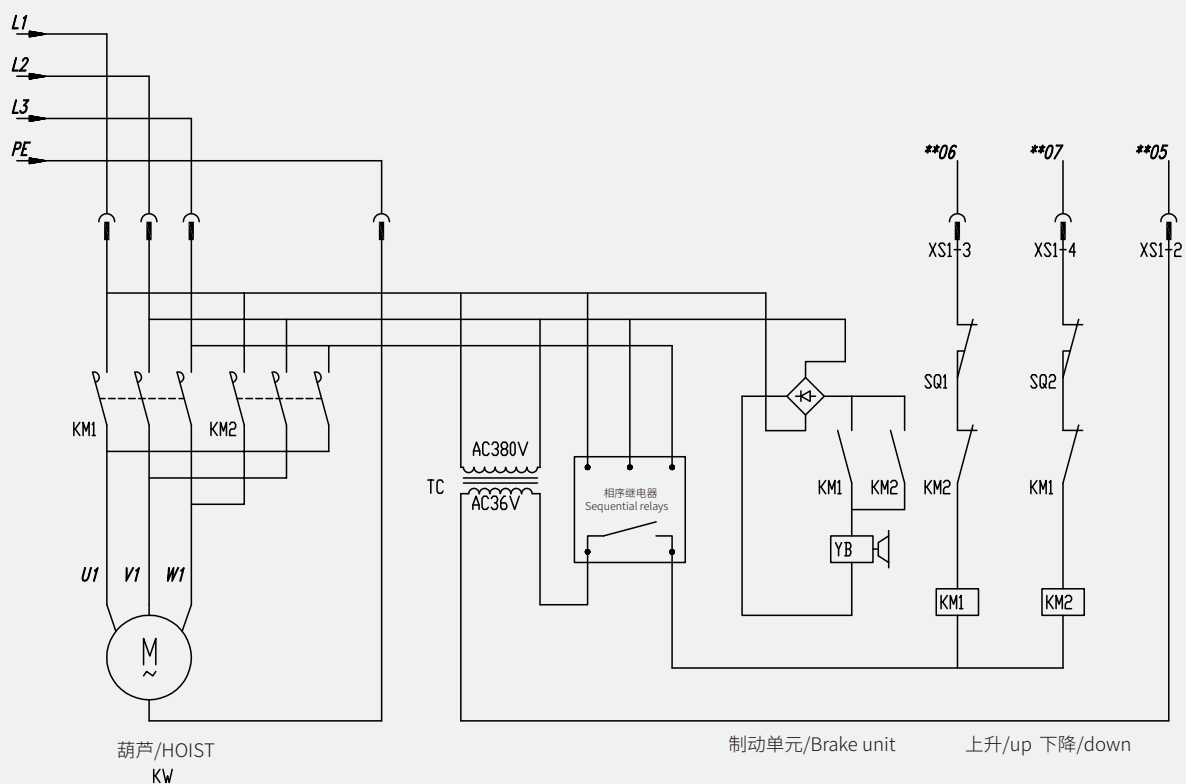


01: 齿轮箱端前盖	10: 起重链轮	20: 限位锁块	30: 轴承	40: 电磁刹车
02: 齿轮箱前盖密封橡胶垫	11: 油封	21: 下钩夹板	31: 定子	41: 电器端后盖
03: 齿轮箱端盖	12: 离合轴	22: 下钩半圆固定圈	32: 转子	42: 吊环
04: 齿轮箱端纸垫	13: 轴承	23: 吊钩	33: 油封	43: 链兜插件
05: 轴承	14: 离合器齿轮	24: 单向推力球轴承	34: 轴承	44: 链兜
06: 慢速组合轮	15: 离合器压片	25: 下钩胶套	35: 轴承	
07: 慢速齿轮大齿	16: 离合器摩擦片	26: 链条	36: 电器	
08: 轴承	17: 离合器齿轮	27: 出链盖板	37: 电器端海绵垫	
09: 油封	18: 轴承	28: 护链器	38: 刹车网罩	
	19: 尼龙导链架	29: 齿轮箱体	39: 制动器底板	
01: gearbox front cover	10: sprocket	20: chain locking block	30: bearing	40: DC brake
02: gearbox front cover sealing rubber gasket	11: oil seal	21: load hook plate	31: stator	41: electrical end cover
03: gearbox end cover	12: clutch shaft	22: two semi-circle fixing rings for the load hook	32: rotor	42: suspension ring
04: gearbox paper gasket	13: bearing	23: load hook	33: oil seal	43: chain bag hanger
05: bearing	14: clutch gear	24: one-way thrust bearing	34: bearing	44: chain bag
06: low-speed combination gear	15: clutch pressure plate	25: load hook rubber sleeve	35: bearing	
07: low-speed driven gear	16: clutch friction disc	26: chain	36: electrical components	
08: bearing	17: clutch gear	27: chain out cover	37: electrical cover sponge gasket	
09: oil seal	18: bearing	28: chain guard	38: brake cover mesh	
	19: nylon chain guide	29: gearbox	39: brake base plate	

ELECTRICAL WIRING DIAGRAM

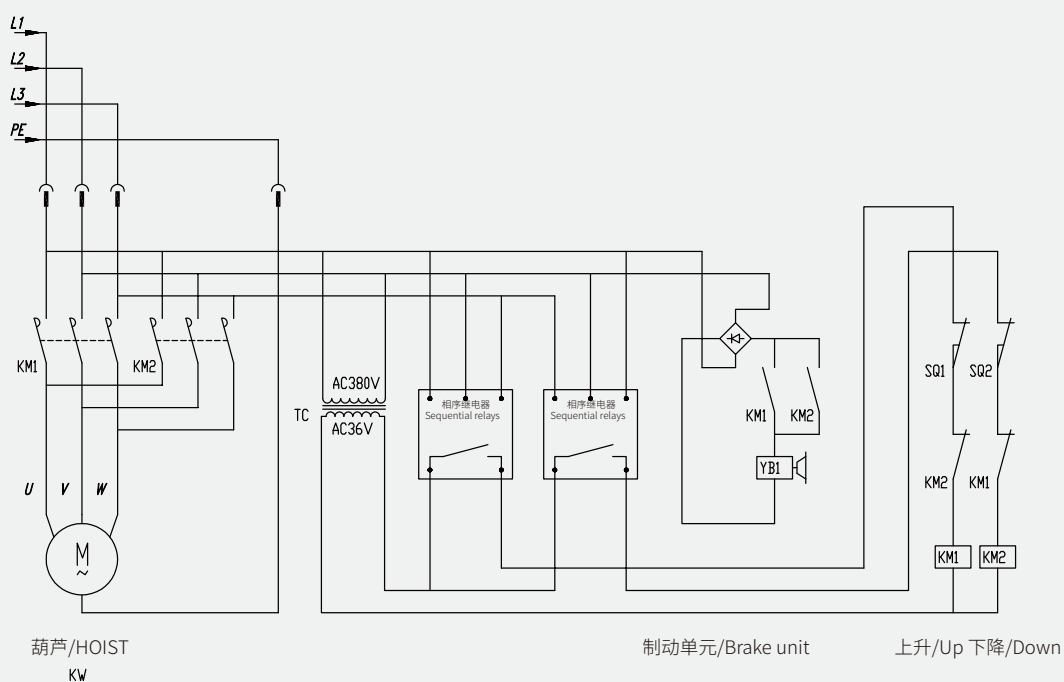
低压控制-单刹-3ph/Low voltage directly control-single brake-3ph

图5/Figure 5



高压直控-单刹-3ph/High voltage directly control-single brake-3ph

图6/Figure 6



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