

系列 Series: EVC5A

名称 Name: 直流接触器 DC contactor



- ✓ 负载电流范围: 150-250A
Load current range
- ✓ 负载电压范围: 12-500Vdc
Load voltage range
- ✓ 尺寸(长×宽×高): 56.0×45.0×93.0 mm
Dimensions(L×W×H)



密封结构

Sealed structure

触点抗粘连

Anti-welding contacts

- EVC5A 系列直流接触器专为工业车辆直流控制系统而设计, 该产品采用密封结构, 触点由高纯氮气保护, 触点材料为银合金, 较传统空气式直流接触器运行更安全可靠, 且产品外形与安装形式与传统空气式直流接触器保持一致。适用于工业车辆各类应用场景, 是工业车辆直流控制系统的理想之选。
- The EVC5A series DC contactors are specifically designed for DC control systems of industrial vehicles. Adopting a sealed structure, the product features contacts protected by high-purity nitrogen and made of silver alloy, ensuring safer and more reliable operation compared to traditional air-type DC contactors. Consistent with traditional air-type DC contactors in terms of appearance and installation method, it is suitable for various application scenarios of industrial vehicles and serves as an ideal choice for DC control systems of industrial vehicles.

产品特点 Product Features



- 采用高性能环氧胶封装, 触点由高纯氮气保护, 不受外界环境的影响, 相比传统空气式直流接触器, 可在低温、高湿、多尘、高海拔等恶劣环境下实现更可靠的运行。
- ✓ 产品防护等级为 IP69K。
- ✓ 低温-40°C时, 触点接触面无结霜。
- ✓ 可在 4000 米高海拔可靠运行。

- It adopts high-performance epoxy resin encapsulation, with contacts protected by high-purity nitrogen to avoid external environmental impacts. Compared with traditional air-type DC contactors, it can achieve more reliable operation in harsh environments such as low temperature, high humidity, high dust and high altitude.

- ✓ Product protection rating: IP69K.
- ✓ At a low temperature of -40°C, there is no frost formation on the contact surface.
- ✓ It can operate reliably at a high altitude of 4000 meters.

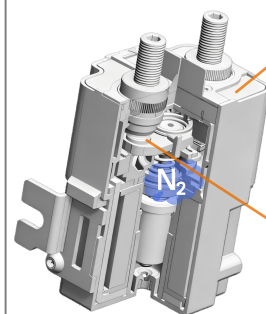


- 动、静触点材料均为银合金, 主触点具备卓越的容性负载浪涌耐受能力, 可有效防止主触点发生熔焊。
- Both the moving and static contact materials are silver alloy, and the main contacts have excellent capacitive load surge tolerance, which can effectively prevent the main contacts from welding.



主触点处于空气中。
The main contacts are in the air.

传统空气式直流接触器
Traditional Air-type DC Contactor



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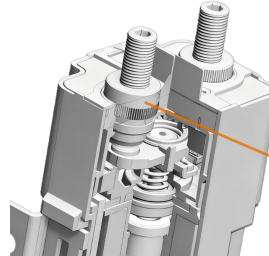
密封式直流接触器
Sealed DC Contactor

- 主触点连接端材料为紫铜，并采用一体化结构设计，确保温升更低。
- The main contact connection terminal is made of copper and adopts an integrated structure design to ensure lower temperature rise.



传统空气式直流接触器
Traditional Air-type DC Contactor

主触点连接端材料为黄铜，导电面为分体式结构。
The main contact connection terminal is made of brass, and the conductive surface adopts a split structure.

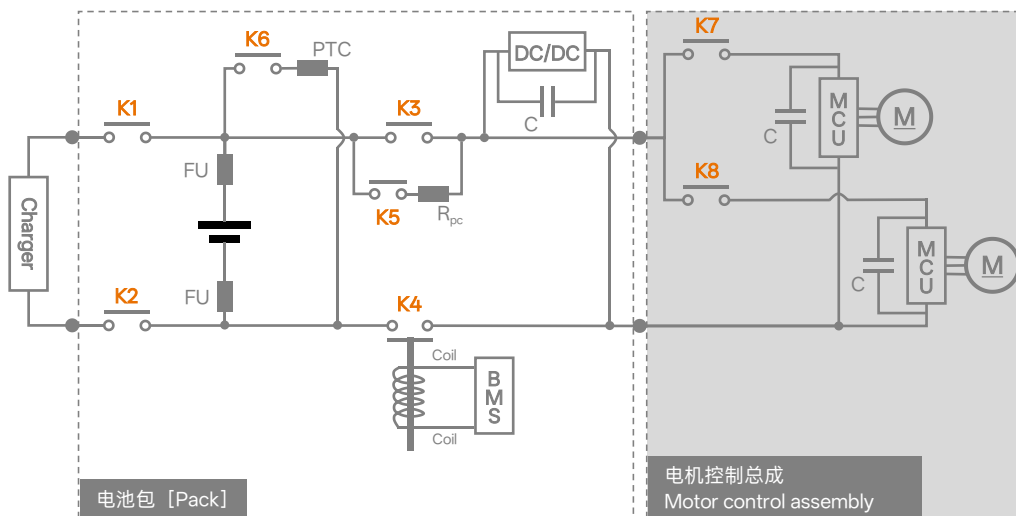


密封式直流接触器
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产品应用 Product Applications

电动叉车典型控制线路图 Typical Control Circuit Diagram of Electric Forklift



说明 [Notes] :

- 该接线图为简化的示意图，仅表达直流接触器的部分控制逻辑。
The wiring diagram is a simplified schematic diagram expressing only the partial control logic of the DC contactor.
- 直流接触器 K1、K2、K3、K5、K6 线圈同 K4，均由 BMS 控制。
DC contactors K1, K2, K3, K5, K6 coils with K4, are controlled by BMS.

产品应用详情见《行业解决方案（工业车辆）》（文件编号：ALQ-IS-001）。
For details on product applications, refer to "Industry Solutions (Industrial Vehicles)" (Document No.: ALQ-IS-001).

了解更多产品与行业信息，请浏览公司网站。

For more product and industry information, please visit our company website.

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