
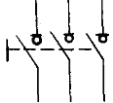


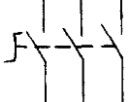


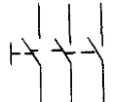
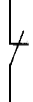
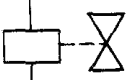

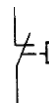
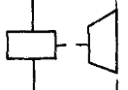
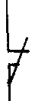
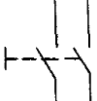









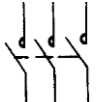
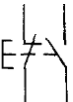
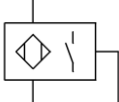





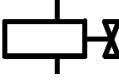


# 附图1-1 赛程一电气设计—选手用

附录一：常用电气元件图形符号（选手用）

图形符号	图形符号	图形符号
		
		
		
		
		
		
		
		
		
		
		

附图1-1 赛程一电气设计—选手用

1	2	3	4	5	6	7	8	9	10
绘制电气原理图：能够实现PLC数字输出控制变频器的使能、正转启停、反转启停、三段速调速。								技术要求： 1、标注出各线缆线号 2、PLC的I/O点选择与实际控制柜中一致 3、电气元件序号与控制柜内实际序号一致 4、标注出电气元件引脚对应的引脚序号 5、标注出电气元件对应的文字符号	
<div><div><div><div><div>L1</div><div>M</div><div>PE</div><div>L+</div><div>M</div><div>IM</div><div>DIa.0</div><div>DIa.1</div></div><div>PLC2 西门子 6ES7215-1AG40-0XB0</div><div>S7-1200 CPU1215C DC/DC/DC</div></div><div><div><div>PLC2 西门子 6ES7215-1AG40-0XB0</div><div>S7-1200 CPU1215C DC/DC/DC</div></div><div><div>4L+</div><div>4M</div><div>DQa.6</div><div>DQa.7</div><div>DQb.0</div><div>DQb.1</div></div><div><div>24V</div><div>0V</div></div></div></div></div>									
<div><div><div><div><div>L+</div><div>M</div><div>IM</div></div><div>PLC2-PI01 西门子 6ES7223-1BL32-0XB0</div><div>S7-1200 SM1223 DI16×24VDC,DQ16×24VDC</div></div><div><div><div>PLC2-PI01 西门子 6ES7223-1BL32-0XB0</div><div>S7-1200 SM1223 DI16×24VDC,DQ16×24VDC</div></div><div><div>DQb.0</div><div>DQb.1</div><div>DQb.2</div><div>DQb.3</div><div>DQb.4</div><div>DQb.5</div><div>DQb.6</div><div>DQb.7</div></div></div></div></div>									
<div><div><div><div><div>6 DI1</div><div>7 DI2</div><div>8 DI3</div><div>16 DI4</div><div>17 DI5</div><div>69 COM1</div><div>34 COM2</div></div><div><div>PE</div><div>L1</div><div>L2</div><div>L3</div><div>U</div><div>V</div><div>W</div></div></div></div></div>									

ChinaSkills	日期		批准		项目名称 赛程一电气设计	项目编号	高层代号	位置代号
	设计		设计				L1	控制柜
	审核		地点				当前页	总页数

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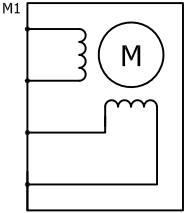
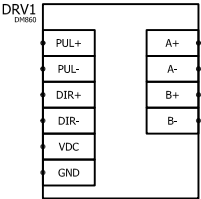
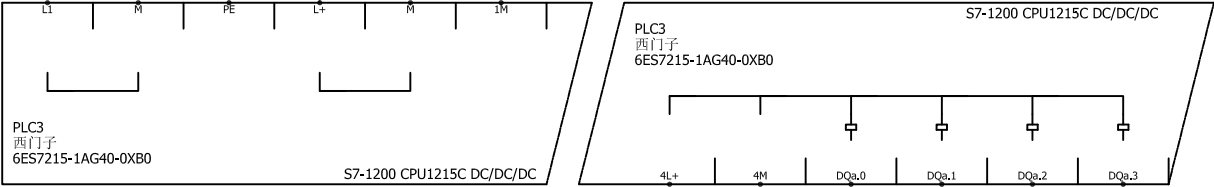
附图1-1 赛程一电气设计—选手用

1	2	3	4	5	6	7	8	9	10
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绘制电气原理图：1、能够实现PLC通过高速脉冲输出控制步进驱动器。2、驱动器驱动装配流水线步进电机运动。

注：步进驱动器脉冲和方向信号输入电压为5V。

- 技术要求：
- 1、标注出各线缆线号
  - 2、标注出电气元件引脚对应的引脚序号
  - 3、PLC的I/O点选择与实际接线一致
  - 4、标注出步进驱动器、步进电机的文字符号



ChinaSkills	日期		批准		项目名称 赛程一电气设计	项目编号	高层代号 L1	位置代号 控制柜
	设计		设计					
	审核		地点					
					项目描述 设计电气原理图	页描述 步进驱动器电气原理图	当前页	总页数

附图1-1 赛程一电气设计—选手用

1	2	3	4	5	6	7	8	9	10
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绘制电气原理图：1、能够实现PLC接收托盘流水线三个漫反射光电开关信号。2、能够实现PLC输出控制托盘流水线两个阻挡气缸电磁阀动作。

注：漫反射光电开关为NPN型。

技术要求：

- 1、标注出各线缆线号
- 2、标注出电气元件引脚对应的引脚序号
- 3、标注出漫反射光电开关各引脚引线颜色
- 4、PLC的I/O点选择与控制柜内实际接线一致
- 5、标注出电磁阀、传感器的文字符号

