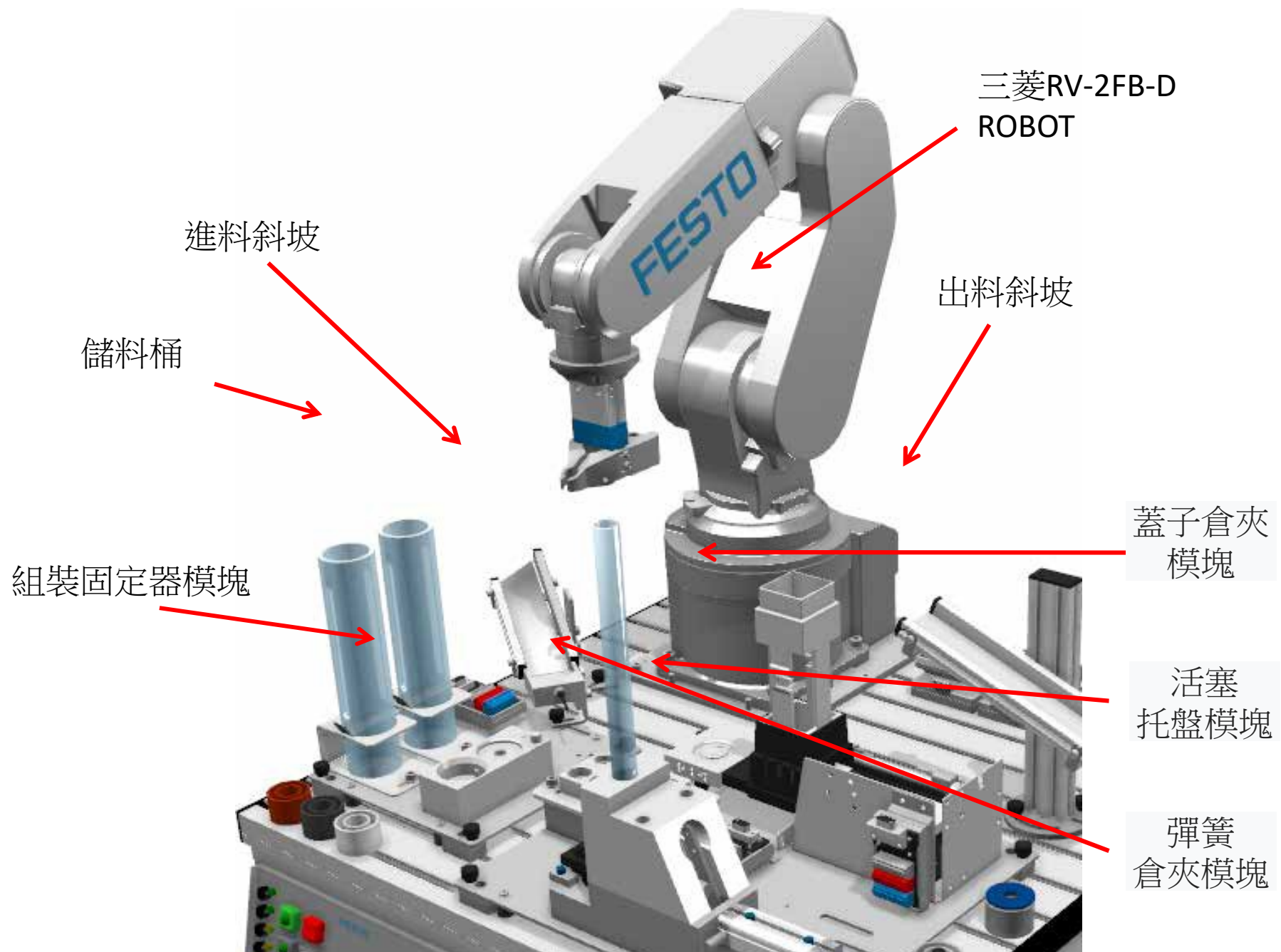


# 1-1MPS ROBOT STATION架構與 三菱CR750 ROBOT 基本認識

# MPS ROBOT STATION





# 手臂與控制器型號



RV-2F



RV-4F



RV-7F

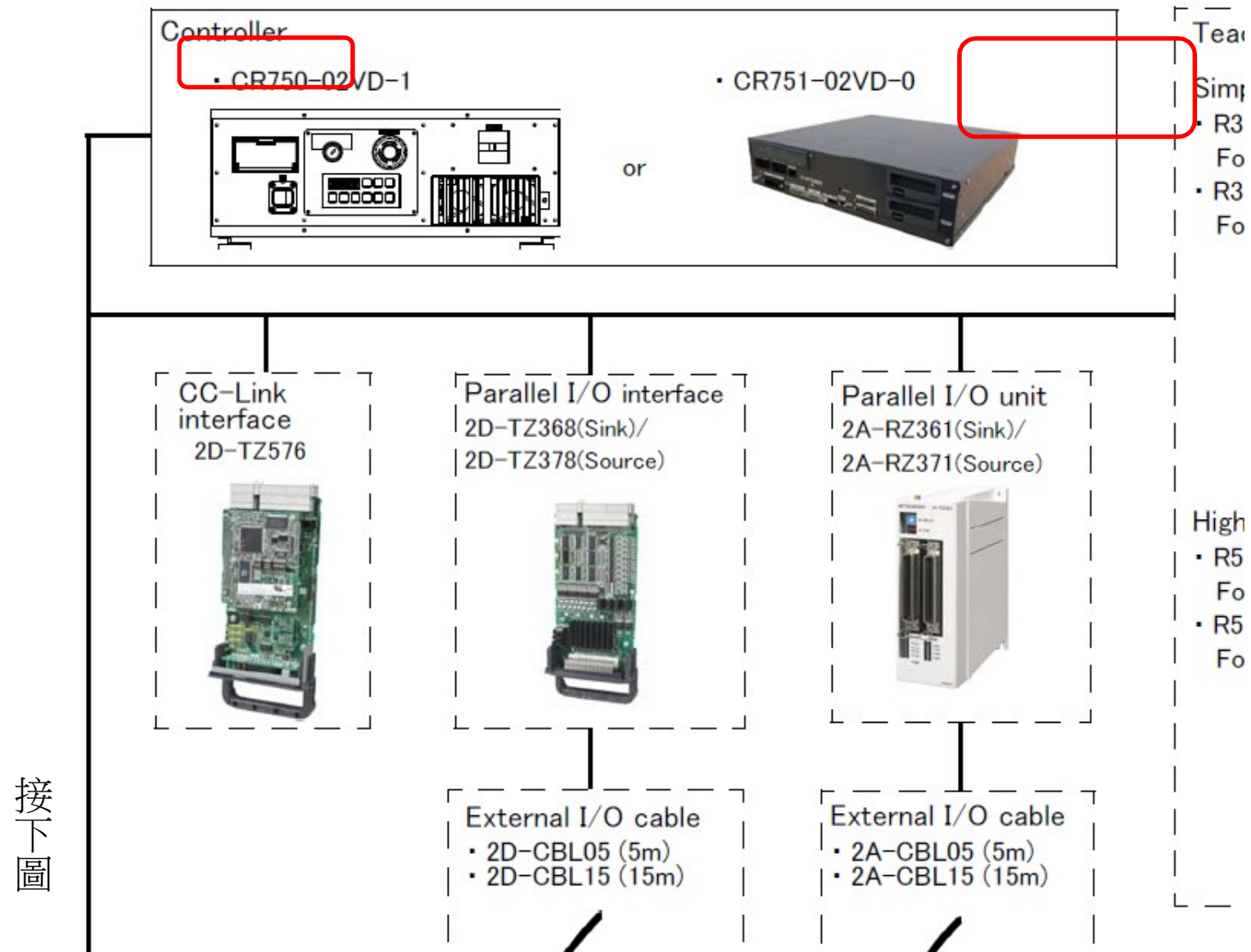


# 機器人標準規格

Table 2-1 : Standard specifications of robot

Item		Unit	Specifications
Type			RV-2F/2FB <sup>Note1)</sup>
Degree of freedom			6
Installation posture			On floor, hanging (against wall <sup>Note2)</sup> )
Structure			Vertical, multiple-joint type
Drive system			AC servo motor (RV-2F: J2, J3, J5 axes have the brake, (RV-2FB: All axes have the brake)
Position detection method			Absolute encoder
Arm length	Upper arm	mm	230
	Fore arm		270
Operating range	Waist (J1)	Degree	480 (-240 to +240)
	Shoulder (J2)		240 (-120 to +120)
	Elbow (J3)		160 (0 to +160)
	Wrist twist (J4)		400 (-200 to +200)
	Wrist pitch (J5)		240 (-120 to +120)
	Wrist roll (J6)		720 (-360 to +360)
Speed of motion	Waist (J1)	Degree/s	300
	Shoulder (J2)		150
	Elbow (J3)		300
	Wrist twist (J4)		150

# 設備結構



Personal computer  
Prepared by customer



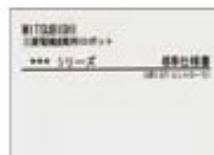
\*)Refer to [Table 1-5](#) for USB cable



RT Tool Box2  
• 3D-11C-WINE((  
(MS-Windows20  
RT Tool Box2 mir  
• 3D-12C-WINE((  
(MS-Windows20

[Instruction Manual\(bookbinding\)](#)

• 5F-FE01-PE01



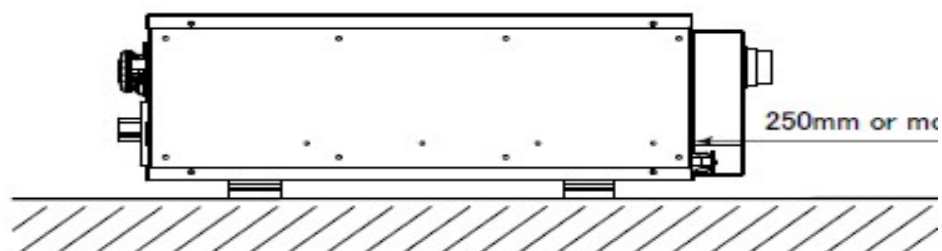
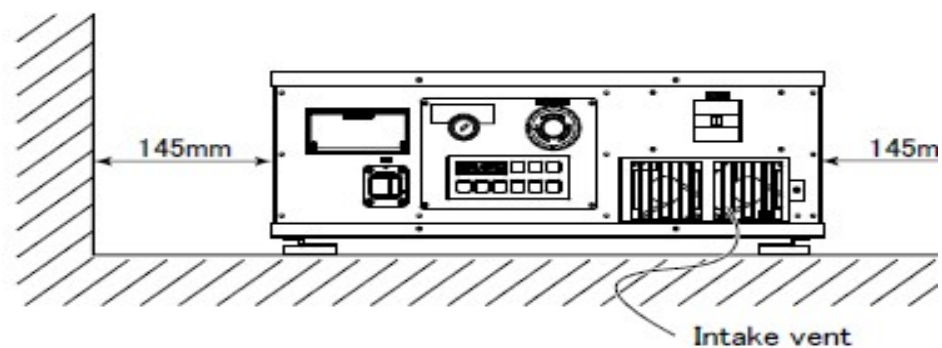
[Caution]



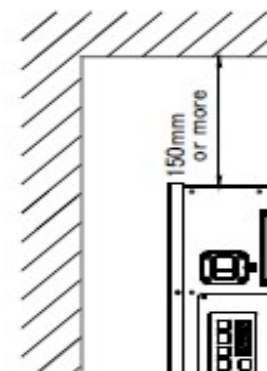
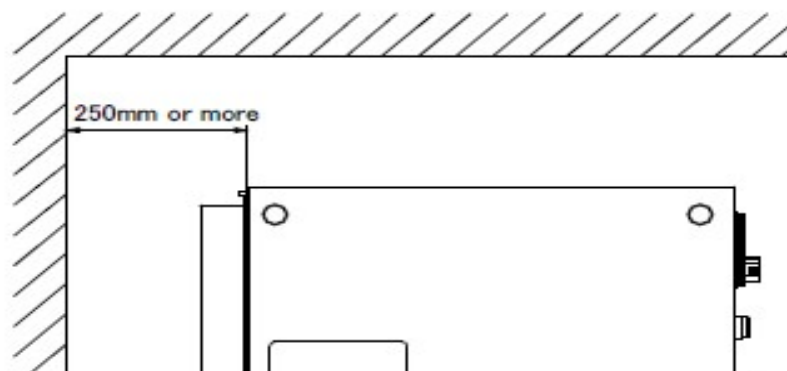
# 安裝尺寸

## (1) CR750 controller

<Placed horizontally>

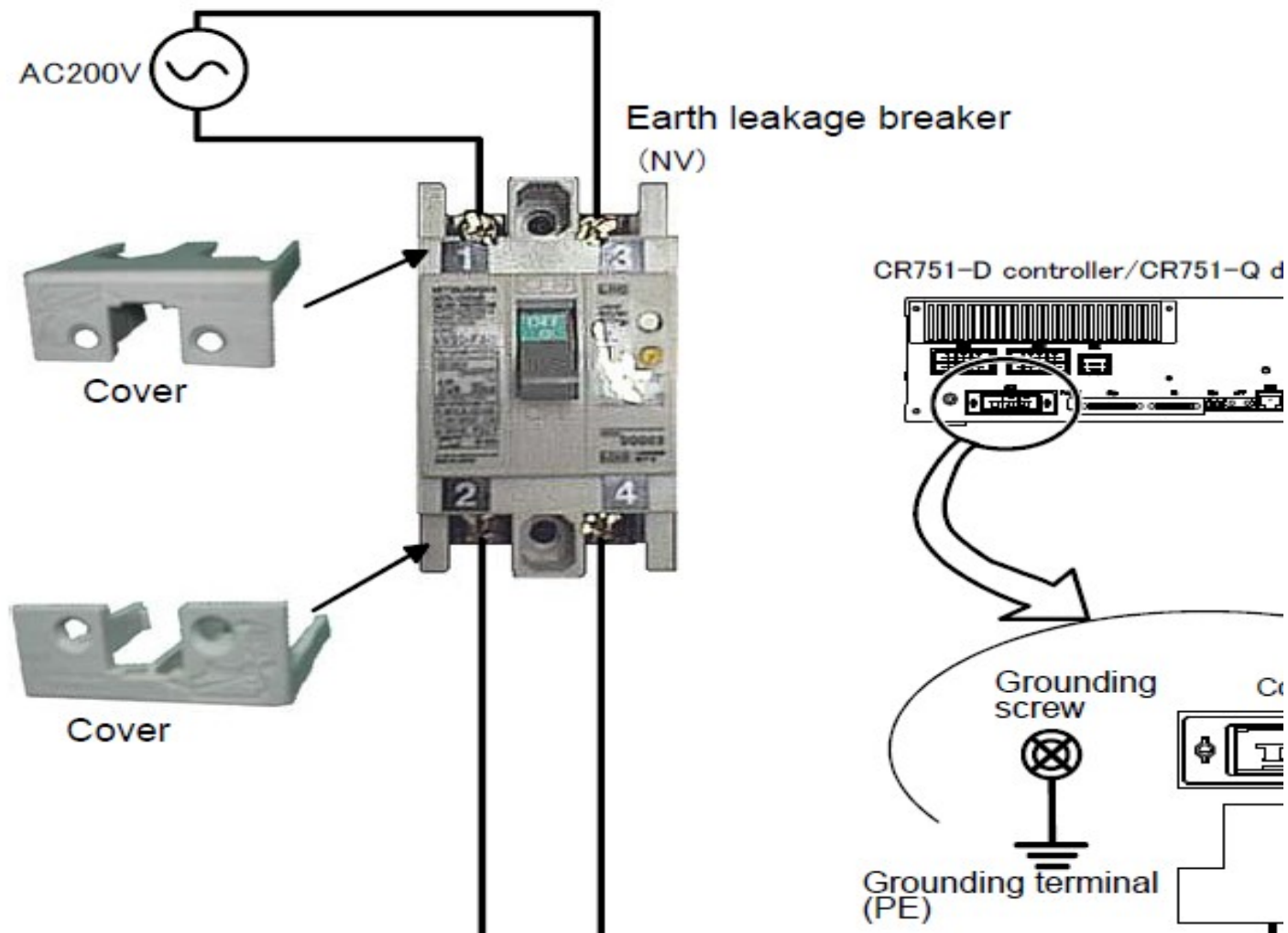


<Placed vertically>

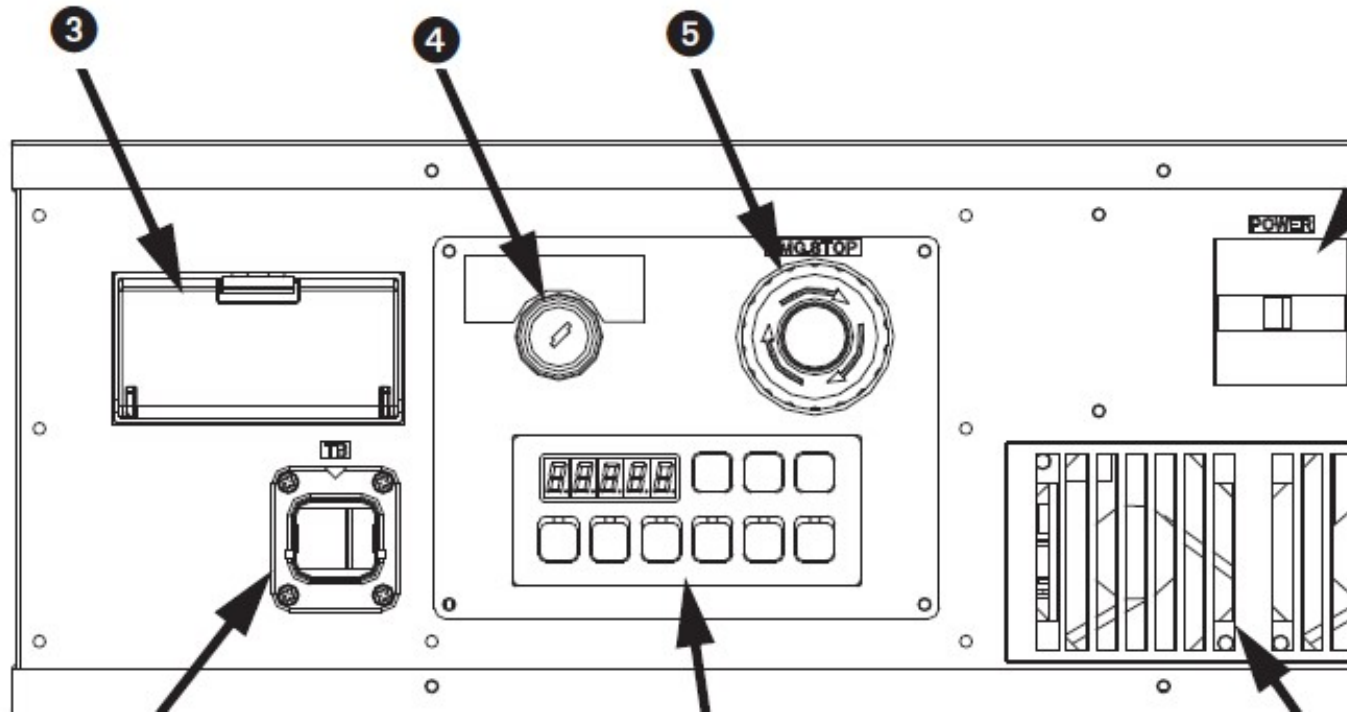




# 電源配線

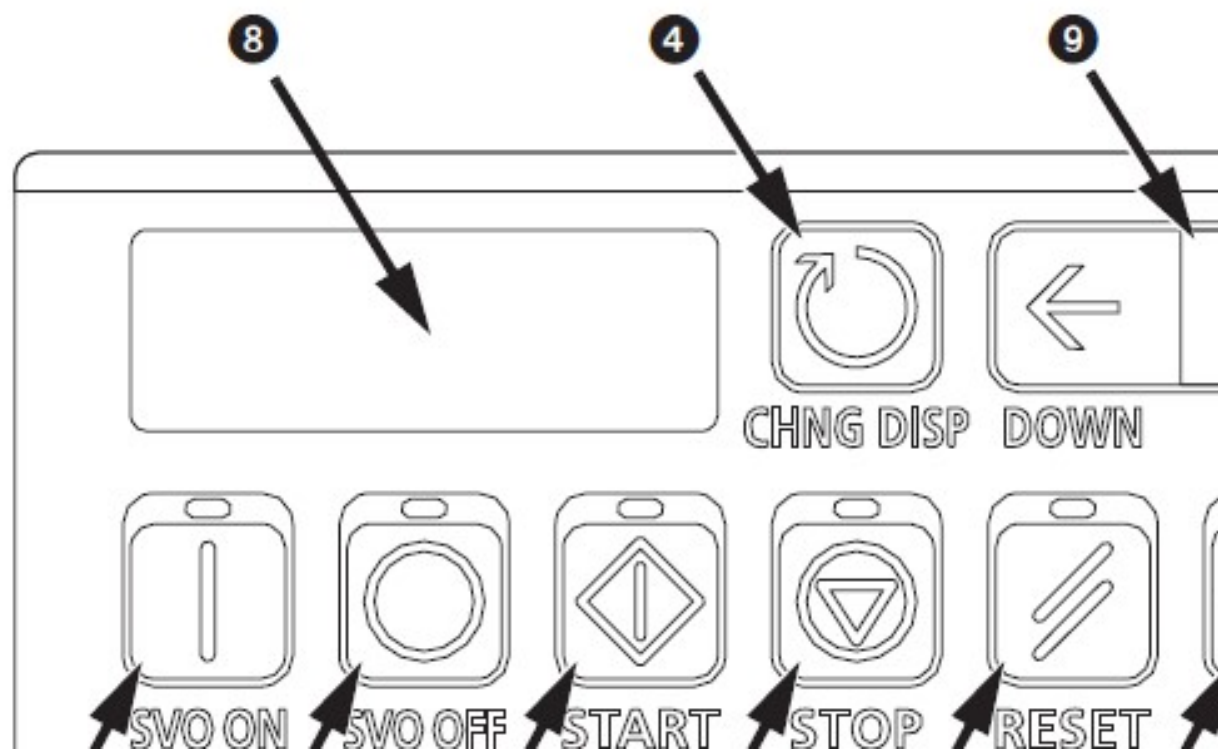


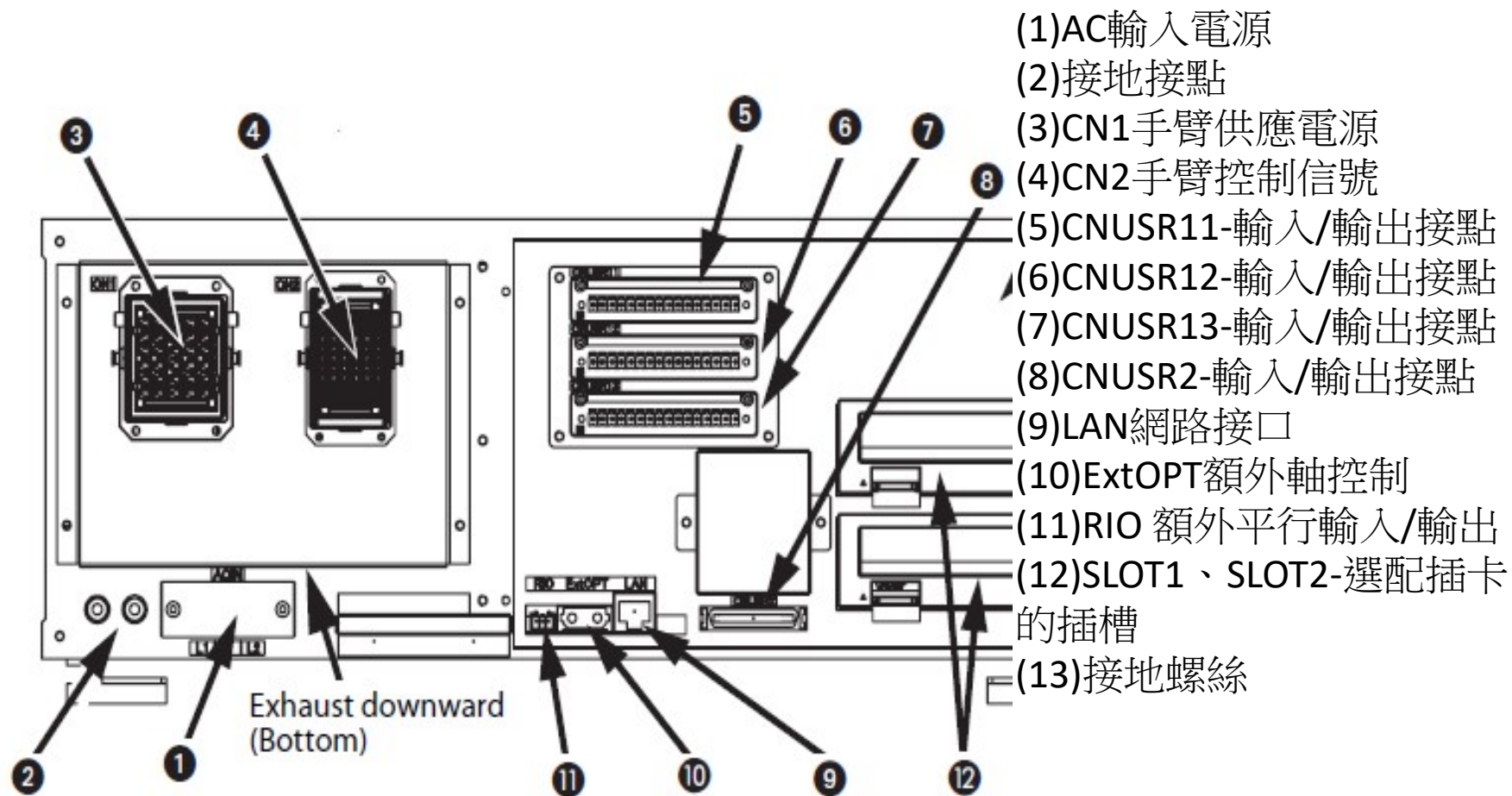
# 控制器CR750



- (1)[Power]切換-控制器電源ON/OFF
- (2)教導盒接口
- (3)端口護蓋-USB與電池
- (4)[MODE]選擇開關-自動與手動
- (5)急停開關
- (6)空氣濾網護蓋
- (7)操作面板

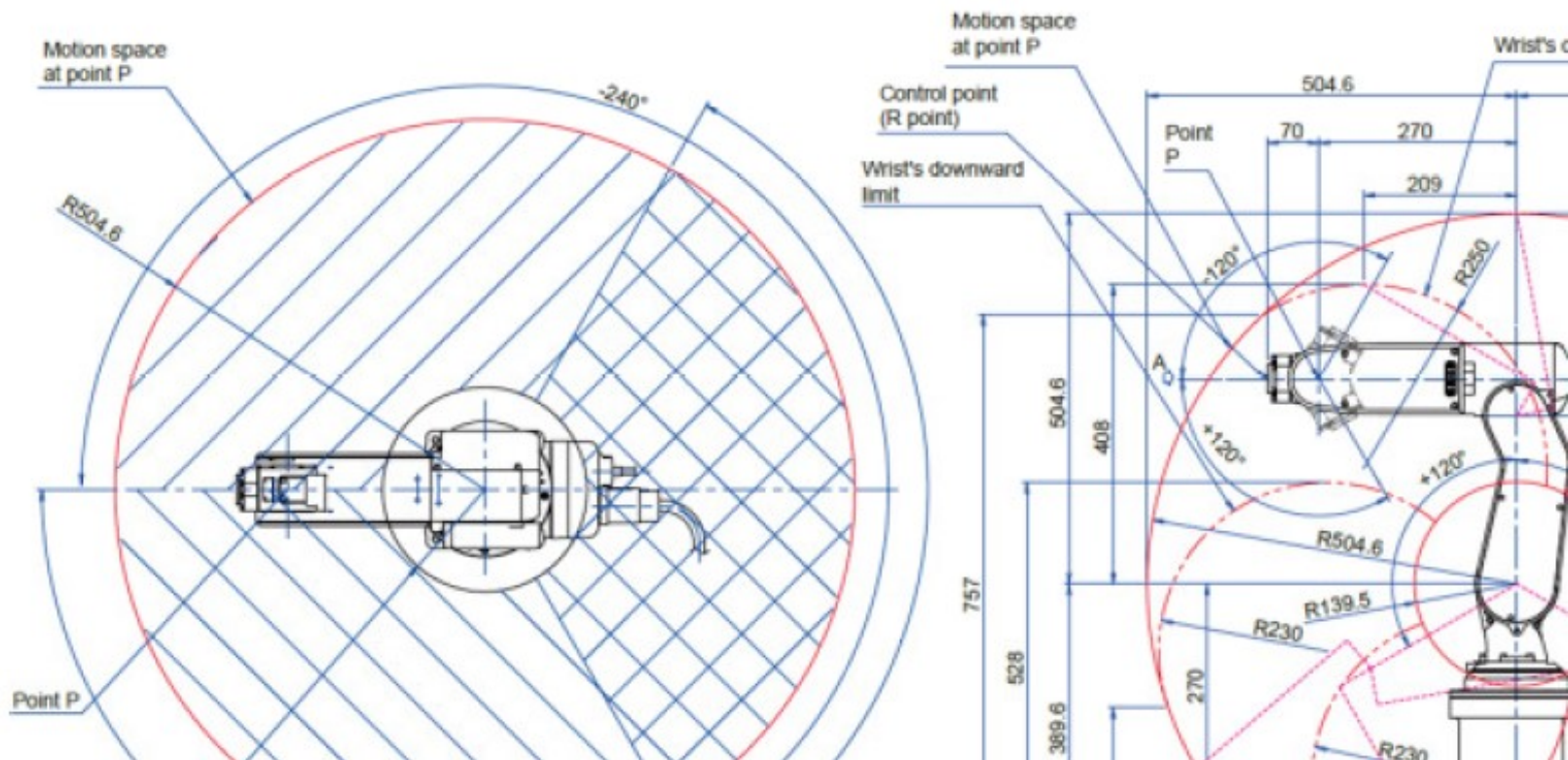
# 控制器面板CR750



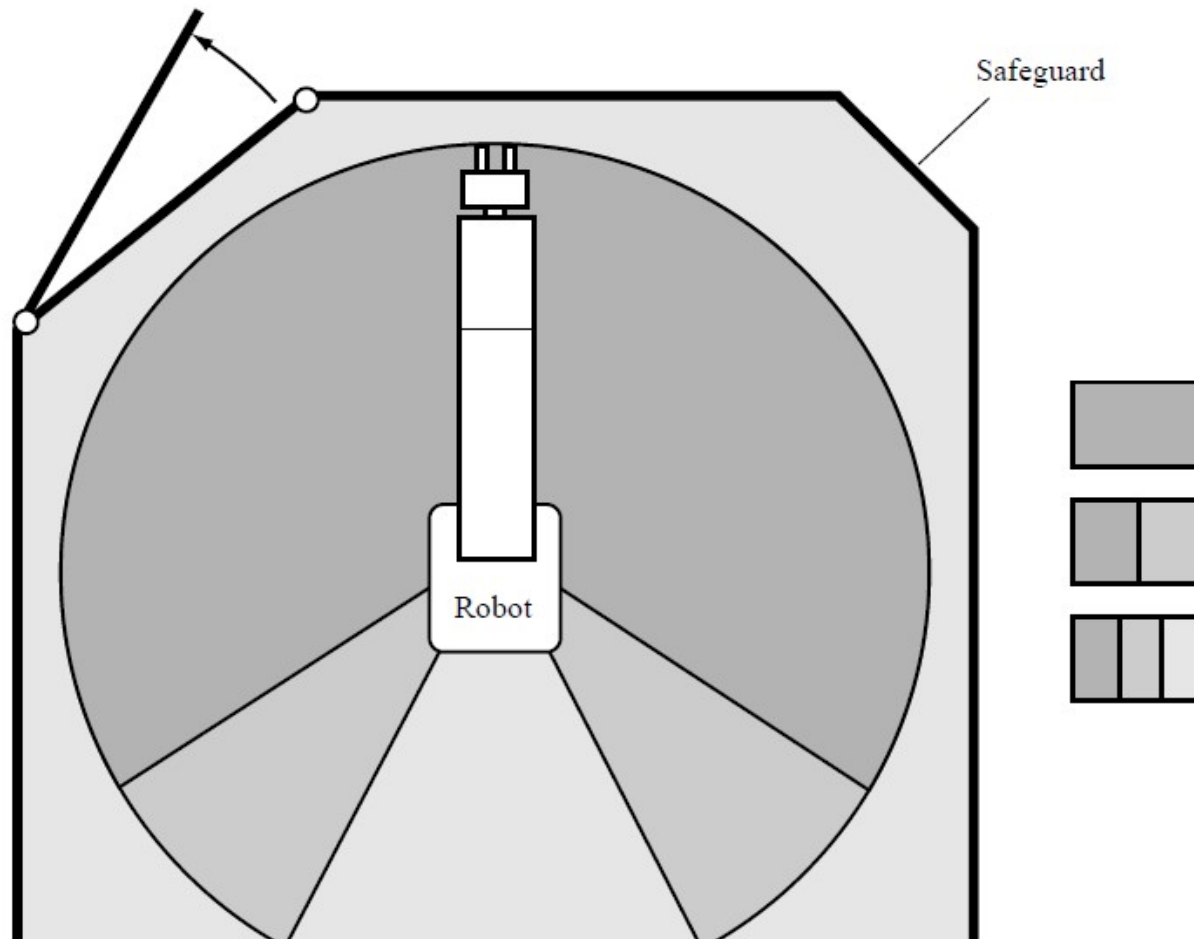


# 安全範圍

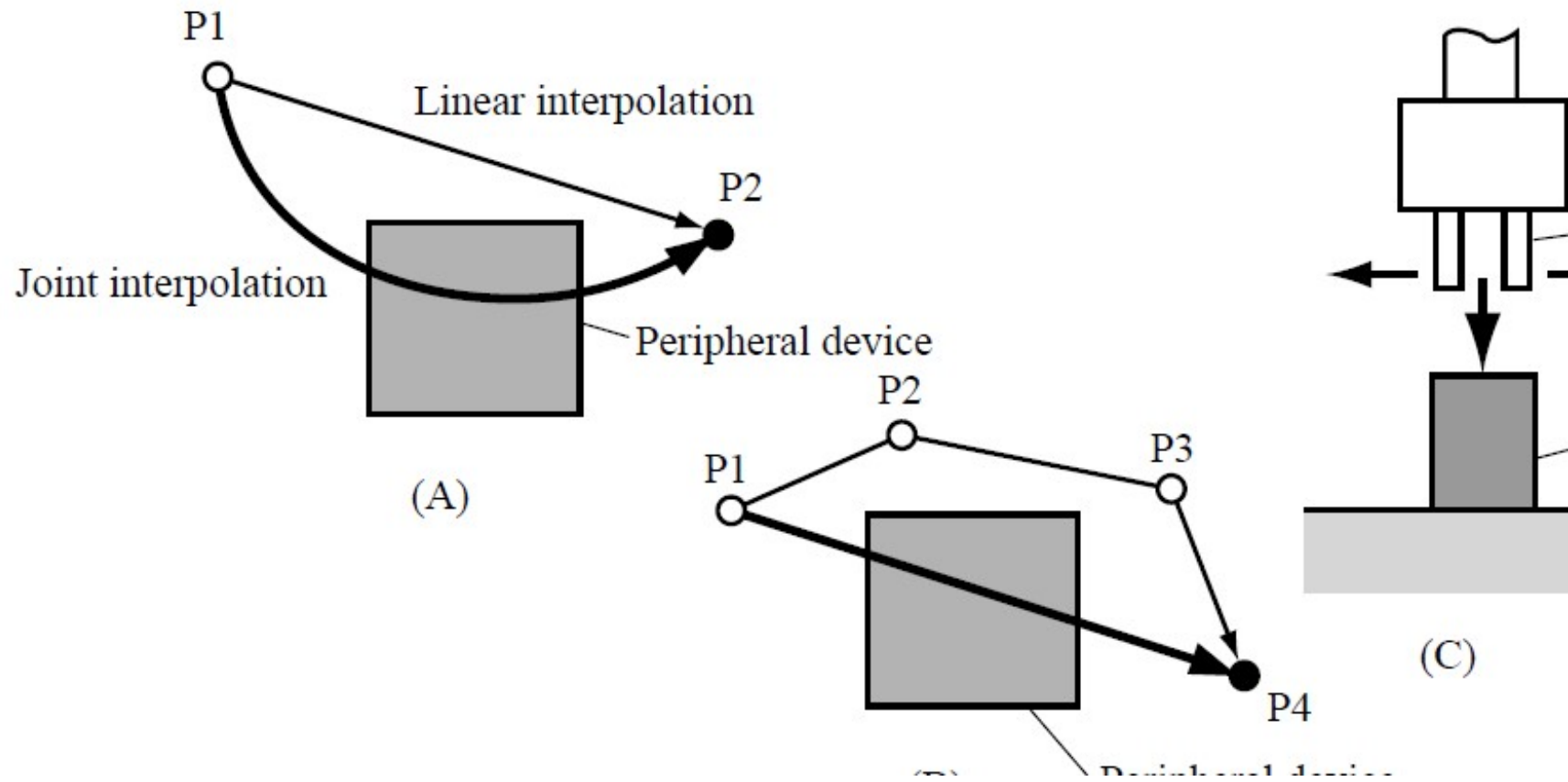
- **Outer dimension and operating range, specific**
  - RV-2F



# 受限空間和受保護空間

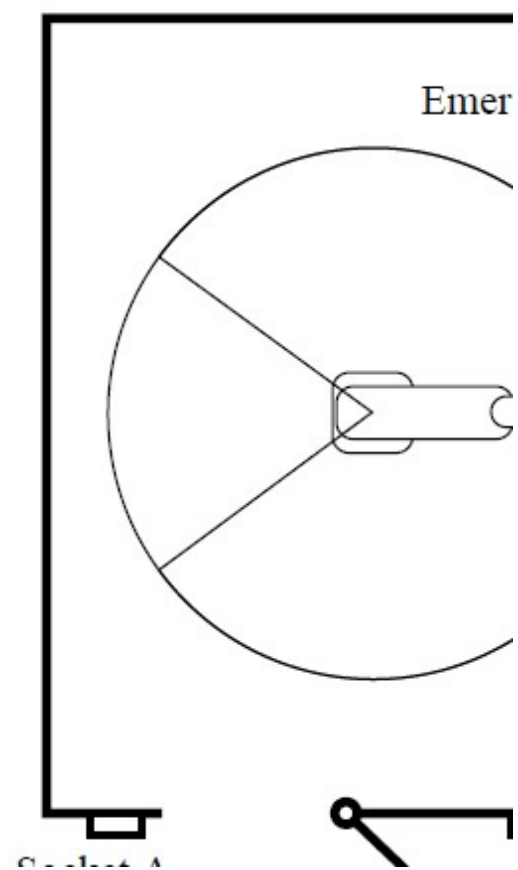
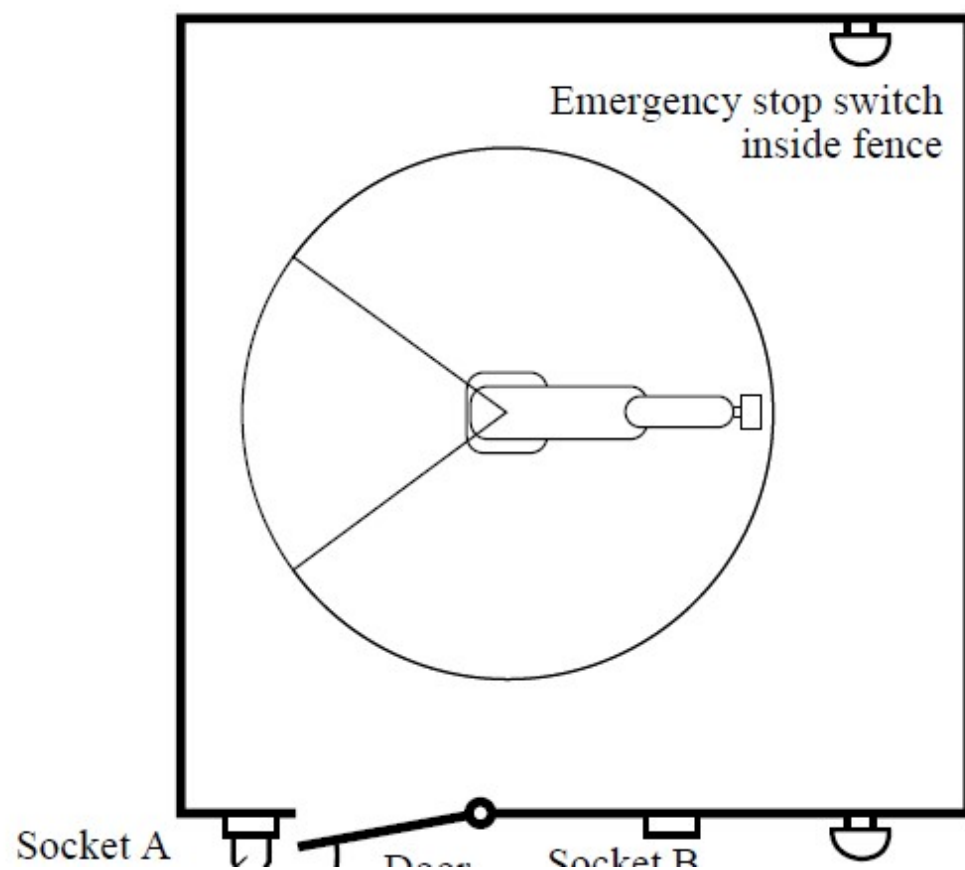


# 教導過程可能的錯誤





# 安全保護裝置配置（A，S，T系列）



# 緊急停止錯誤碼

控制面板 錯誤訊息 H0050

控制器 錯誤訊息 H0060

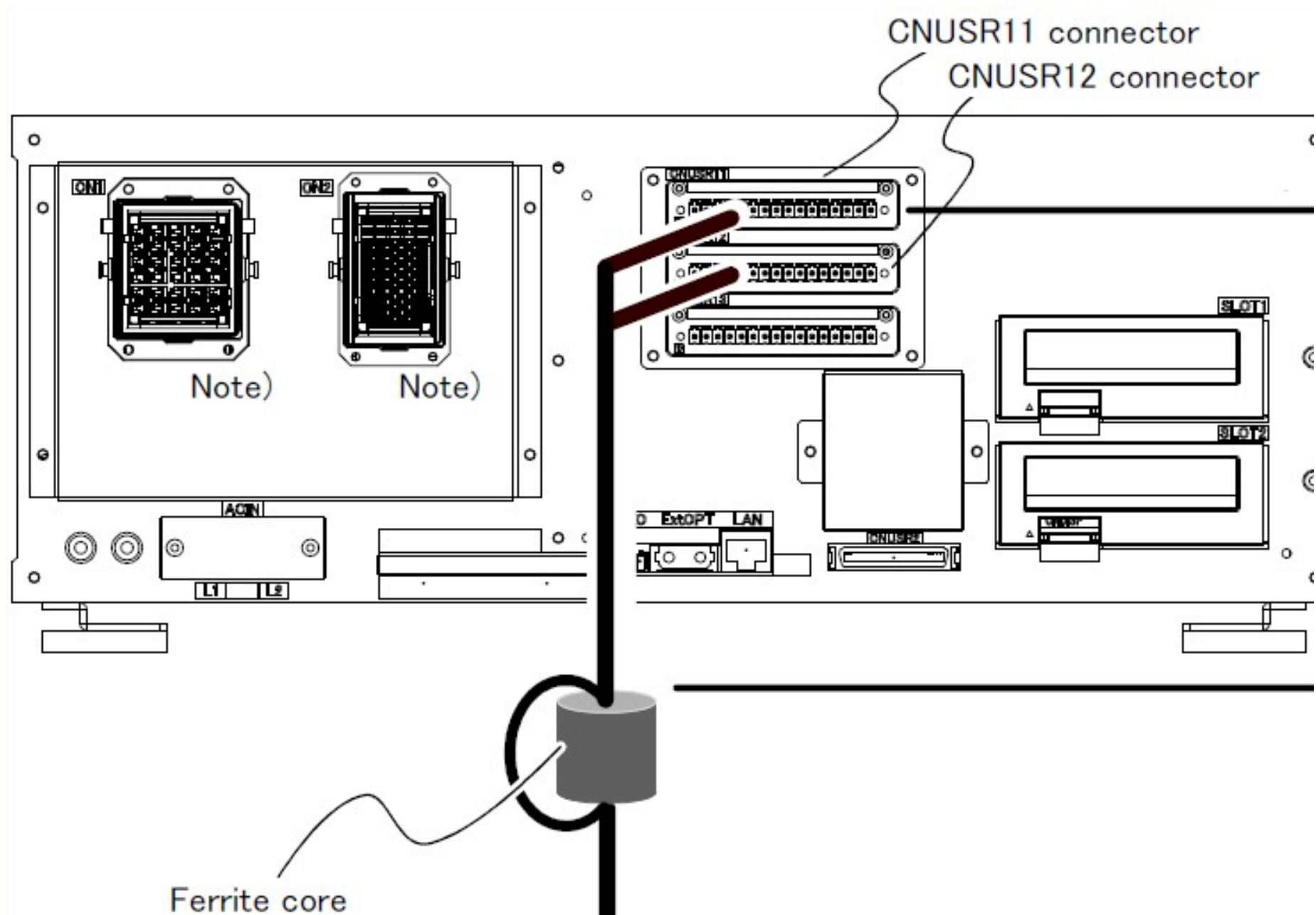
教導盒 錯誤訊息 H0070

# 緊急開關接線位置

- 安全設備連接

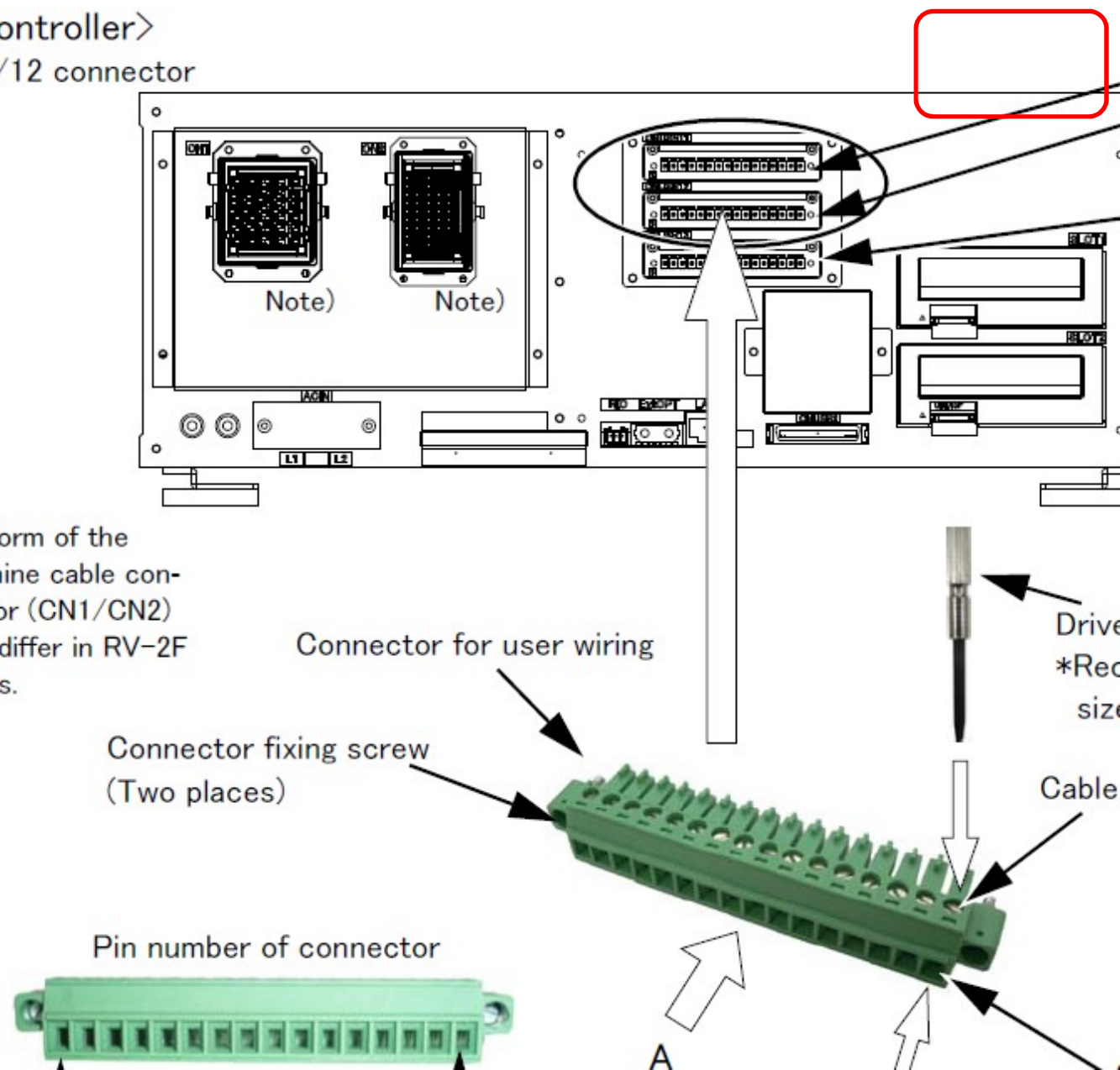
安全設備的插頭必須連接上介面 CNUSR11 與



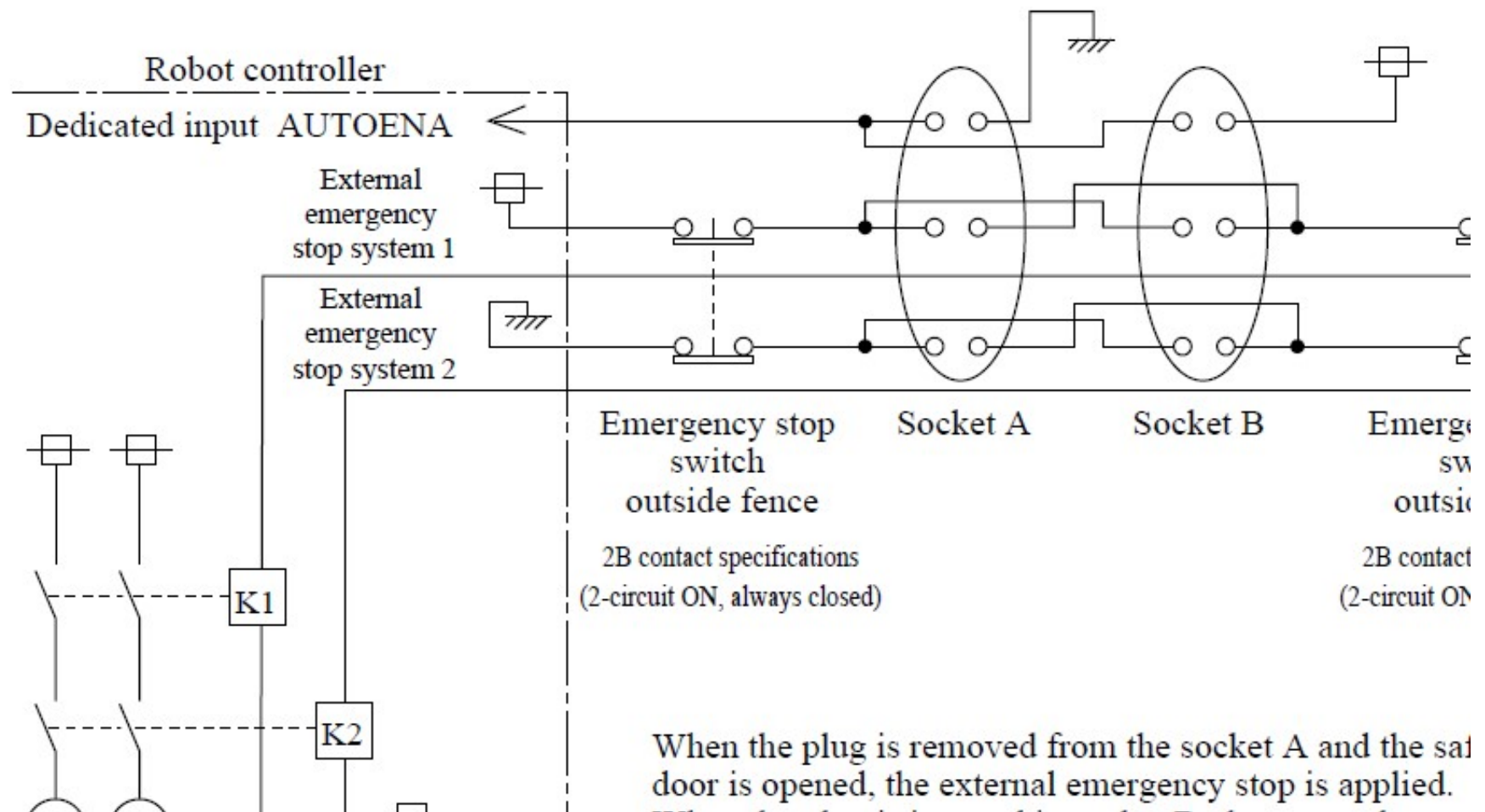


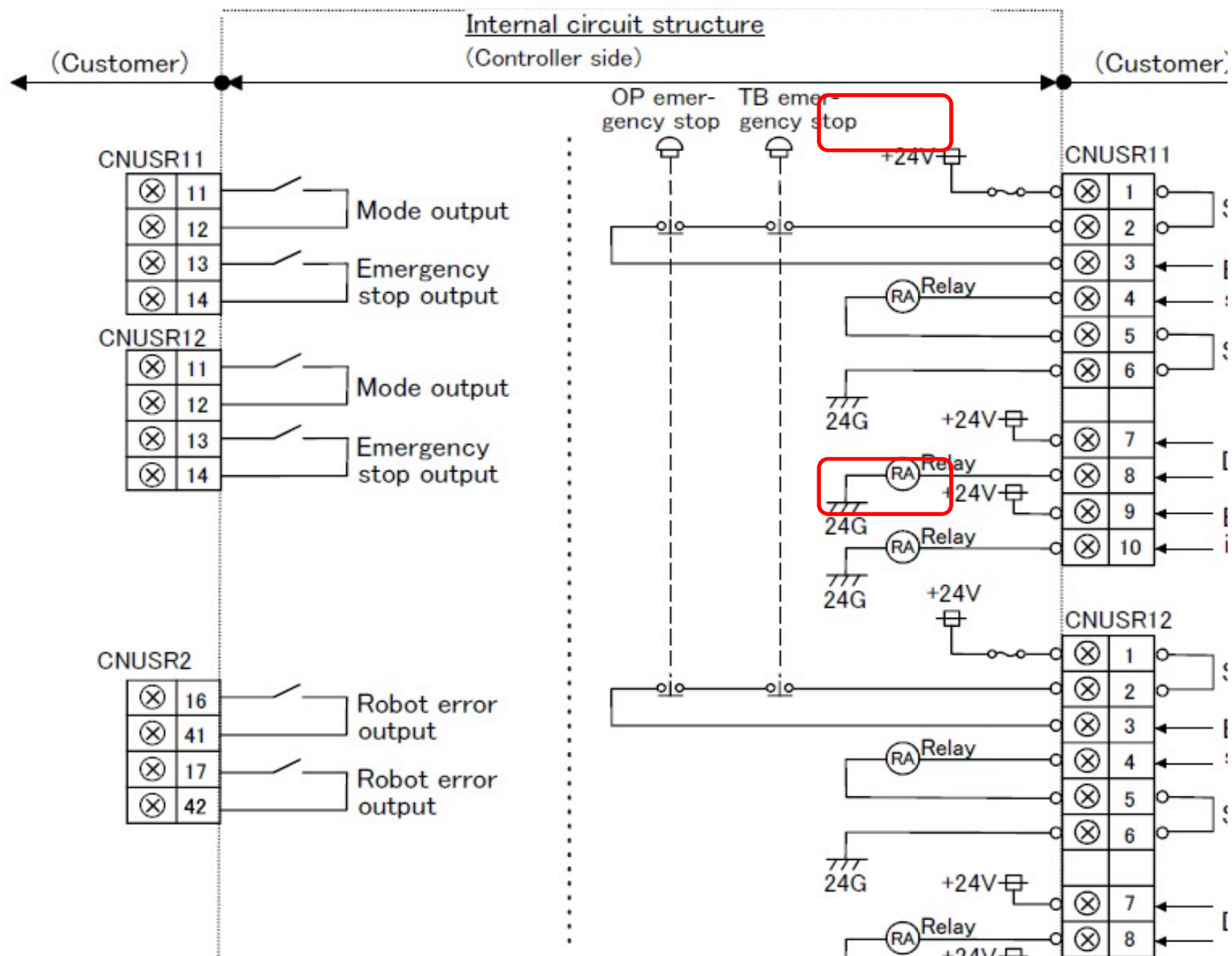
<CR750 controller>  
CNUSR11/12 connector

Note) The form of the machine cable connector (CN1/CN2) may differ in RV-2F series.



# 配線



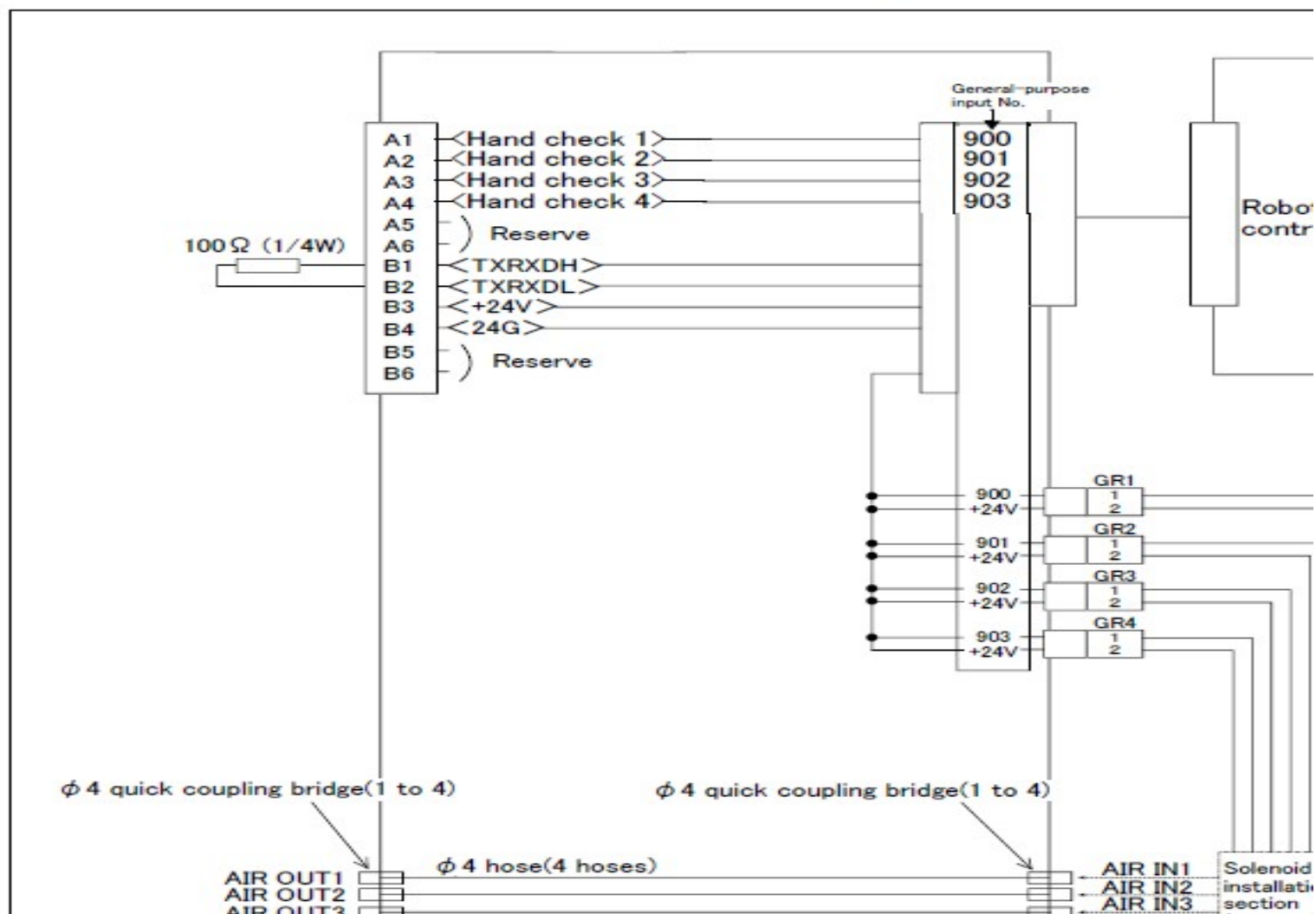




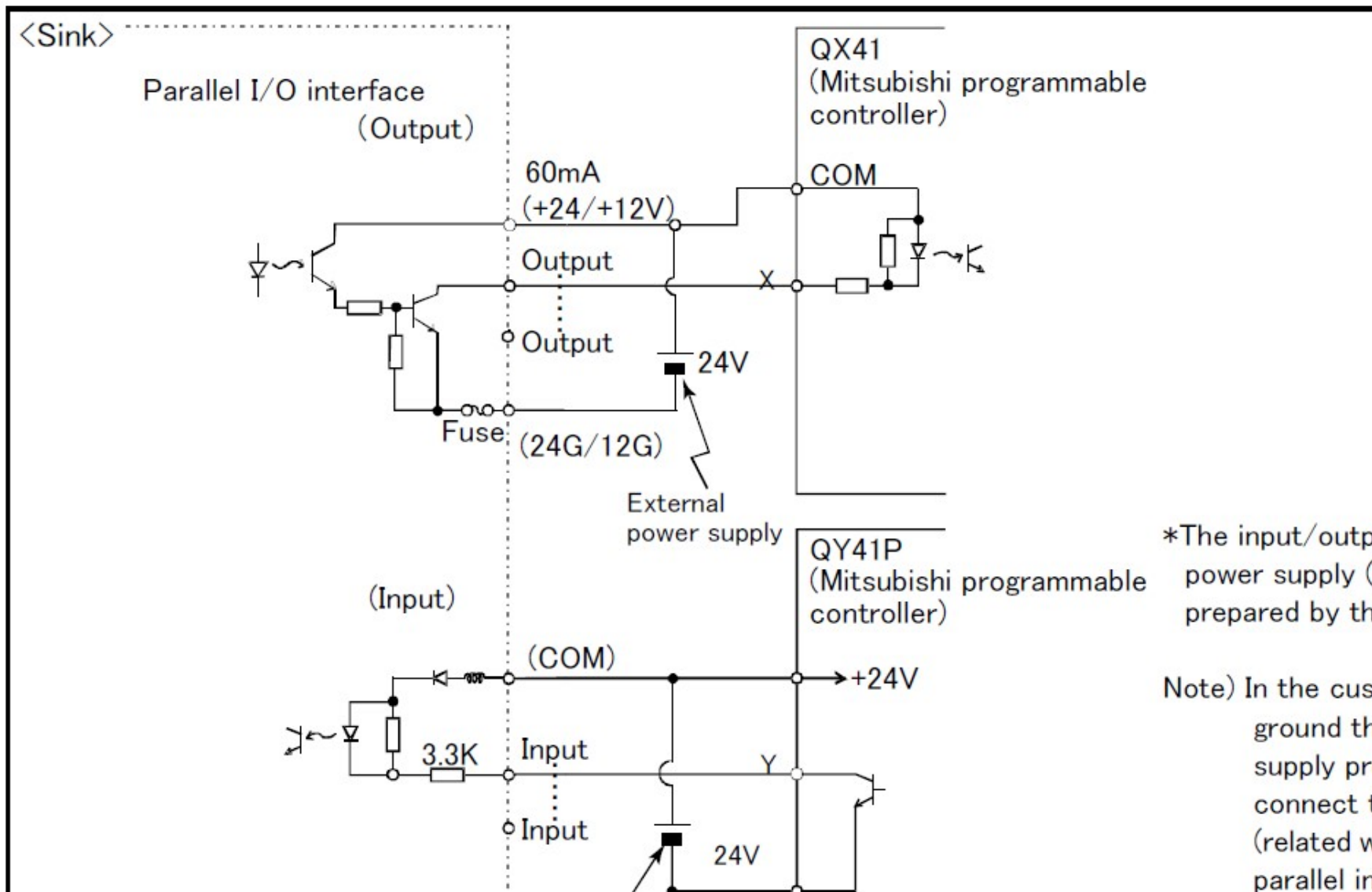
# 夾爪氣壓與線路

## 2.5.5 Wiring and piping system diagram for hand

Shows the wiring and piping configuration for a standard-equipped hand.



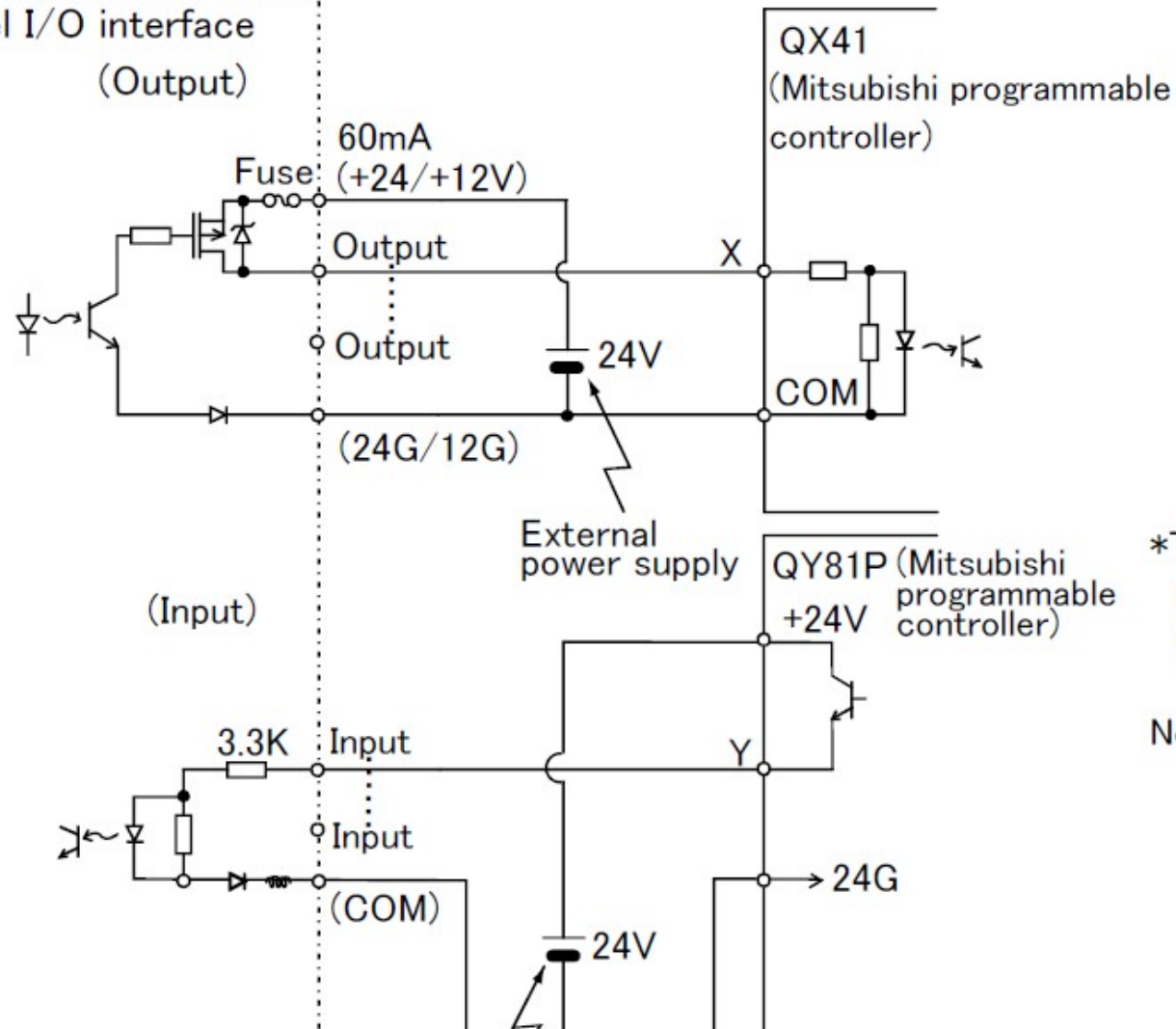
# 輸出入SINK接法



# 輸出入SOURCE接法

<Source>

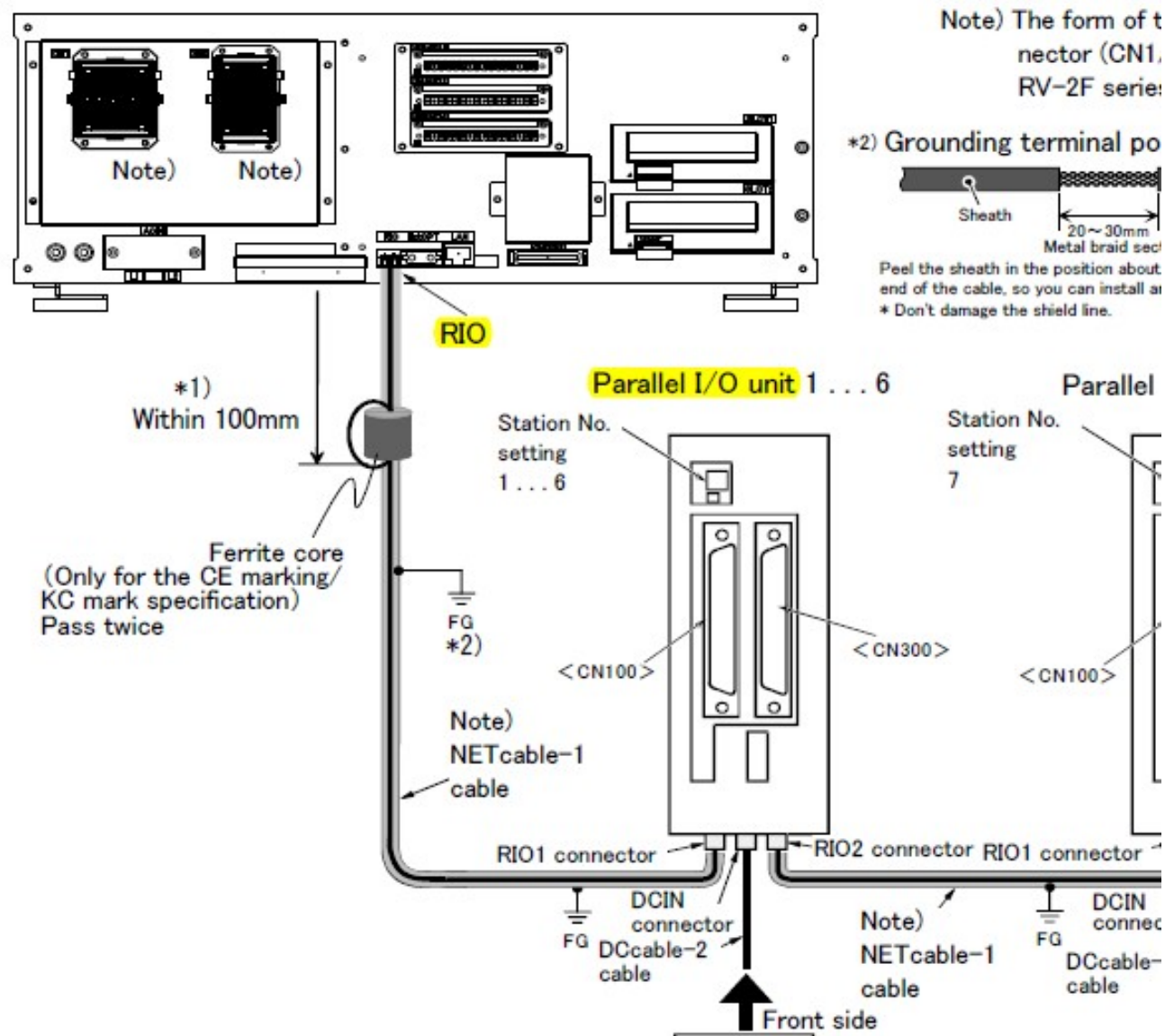
Parallel I/O interface  
(Output)



\*The input power supply is prepared

Note) In the case of not power supply, the customer should connect the input power supply to the input terminal.

# PARALLEL IO UNIT



# CC-LINK 介面

