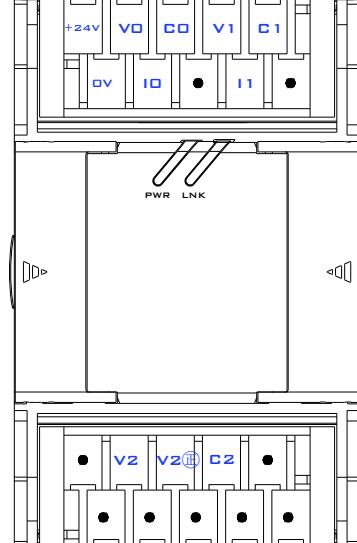


Chapter 3 Expansion unit specification

2.5.7 TP03-3MA Specification

| Item | | Specification | | | | | |
|-----------------------|---|--|--------------------|--|---|--|--|
| | | Voltage | | Current | | | |
| Input | Input range | Vin0-COM0 Vin1-COM1 | 0V~10V or 1V~5V | Iin0-COM0 Iin1-COM1 | 0mA~20mA or 4mA~20mA , | | |
| | | Input impedance 30KΩ | | | Input impedance 250Ω | | |
| | Data range | 0000(0V)~4000(10V) or 0000(1V)~2000(5V) | | | 0000(0mA)~2000(20mA) or 0000(4mA)~2000(20mA) | | |
| Output | Output range | Vout -COM | 0V~10V or 1V~5V | Iout -COM | 0mA~20mA or 4mA~20mA. | | |
| | | Vout± -COM | -10V~ +10V. | | | | |
| | external impendence should be more than 500Ω | | | external impendence should be less than 500Ω. | | | |
| | Data range | 0000(0V) ~ 4000(10V) or 0000(1V) ~ 2000(5V) or 0000(-10V)~4000(+10V) | | | 0000(0mA) ~ 2000(20mA) or 0000(4mA) ~ 2000(20mA) | | |
| Resolution | | 2.5 mV | | 10 μA | | | |
| Accuracy | | ±1% or less (at 25 °C) | | ±1% or less (0~55 °C) | | | |
| Transmission speed | | 1scan time/ 3 Channel | | | | | |
| Terminal block | Vin0~Vin1 | Voltage output terminal, output voltage signal between terminal V and C. | | | | | |
| | Iin0~Iin1 | Current input terminals for Current signal between I,C and short circuit V, I. | | | | | |
| | Com0~Co m1 | Common ground for Vin0~Vin1 or Iin1~Iin1 | | | | | |
| | Vout or Vout± | Voltage output terminal, output voltage signal (-10V~+10V) between Vout and Cout terminal (Vout and Vout± can not be used at same time) | | | | | |
| | Iout | Current output terminal ,output current signal(0~20mA) between Iout and Com. | | | | | |
| | Com | Common ground for Vout, Vout±,Iout | | | | | |
| | 24V | 24VCD input terminal(+) | | | | | |
| | 0V | 24VCD input terminal(-) | | | | | |
| Power indicator | | PWR:+24 V Power LED(Green) LNK: Link LED(Green) | | | | | |
| internal power supply | | 5VDC:Max current 30mA | | | | | |
| External power supply | | 24VDC±20%(Consumption current: Max 85 mA) | | | | | |
| Accessory | | Installation manual, Expansion cable(TP03-304EC : 6cm, 26pin) | | | | | |



Outline figure

Chapter 3 Expansion unit specification

