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|---|---|
| 안전상의 주의 사항 | *경고와 주의로 구분되어 있으니, 필히 숙지 하여 주십시오. |
| 지시사항을 위반하였을 때, 심각한 상황을 초래하여 사망 또는 중상을 입을 가능성이 있는 경우 | |
| ● 전원이 인가된 상태에서 단자대를 만지지 마십시오. ● 전원이 인가된 상태에서 제품조립 및 배선작업을 하지 마십시오. ● 제품내부에 금속성 이물질이 유입되지 않도록 하십시오. ● 배선 작업은 전기공사 전문가가 해 주십시오. | 감전사고 및 오동작의 원인이 됩니다. 화재, 감전사고 및 오동작의 원인이 됩니다. 화재, 감전 사고 및 오동작의 원인이 됩니다. 화재, 감전사고 및 오동작의 원인이 됩니다. |
| 지시사항을 위반하였을 때, 경미한 상해나 제품손상 및 대물손해가 발생할 가능성이 있는 경우 | |
| ● 제품의 정격전압 및 단자배열을 확인 후 배선하여 주십시오. ● 주변 온도 55℃ 및 습도 85%를 넘는 장소는 피해 주십시오. ● 직사 광선이 직접 노출된 장소는 피해 주십시오. ● 가연성 물질이 있는 주변에 설치하지 마십시오. ● 제품에 직접 진동이 인가되지 않도록 하십시오. ● 전문 A/S요원외에는 제품을 분해,수리,개조하지 마십시오. ● 사용설명서에 명기된 환경조건에서 사용해 주십시오. ● 출력단의 부하는 규정된 정격이내의 것을 연결하십시오. | 화재,감전사고, 오동작의 원인이 됩니다. 화재,감전사고, 오동작의 원인이 됩니다. 화재,감전사고, 오동작의 원인이 됩니다. 화재의 원인이 됩니다. 화재 및 감전사고의 원인이 됩니다. 화재 및 감전사고의 원인이 됩니다. 감전, 화재, 오동작 또는 제품 열화의 원인이 됩니다. 화재, 오동작 또는 고장의 원인이 됩니다. |

| 1. Input Module 별 세부사양 | | | | | | | | |
|------------------------|--|---------|---------|---------|--|---------|---------|--|
| 모델 | ST-3114 | ST-3134 | ST-3214 | ST-3234 | ST-3118 | ST-3218 | ST-3428 | |
| 입력 채널 수 | 4 Channel | | | | 8 Channel | | | |
| 아날로그입력 | 0~20mA | | 4~20mA | | 0~20mA | 4~20mA | 0~10V | |
| 타입 | Current | | | | | | Voltage | |
| 분해능 | 12bit | 14bit | 12bit | 14bit | 12bit | | | |
| 커넥터 | Terminal block | | | | | | | |
| 허용오차 | ±0.1% Full Scale @25°C, ±0.3% Full Scale @ 0°C, 60°C | | | | | | | |
| 입력 임피던스 | 120Ω | | | | | | 500KΩ | |
| 업데이트 시간 | 4ms / All channel | | | | | | | |
| 모듈 소비전류 | 165mA/5Vdc | | | | 80mA/5Vdc | | | |
| Common 방식 | 4 Channels / 2COM (Single Common) | | | | Nothing in the module terminal, Field Power 0V is Common(AGND) | | | |
| 절연방식 | Photocoupler isolation | | | | | | | |

| 모델 | ST-3424 | ST-3444 | ST-3524 | ST-3544 | ST-3624 | ST-3644 | ST-3274 | ST-3474 |
|-----------|--|------------|----------|------------|------------|------------|---|-----------|
| 입력 채널 수 | 4 Channel | | | | | | | |
| 아날로그입력 | 0~10V | | -10V~10V | | 0~5V | | 4~20mA | 0~10V |
| 타입 | Voltage | | | | | | Current | Voltage |
| 분해능 | 12bit | 14bit | 12bit | 14bit | 12bit | 14bit | 12bit | |
| 커넥터 | Terminal block | | | | | | Sensor connector | |
| 허용오차 | ±0.1% Full Scale @25°C, ±0.3% Full Scale @ 0°C, 60°C | | | | | | | |
| 입력 임피던스 | 500KΩ | | | | | | 120Ω | 500KΩ |
| 업데이트 시간 | 4ms / All channel | | | | | | | |
| 모듈 소비전류 | 165mA/5Vdc | 170mA/5Vdc | | 200mA/5Vdc | 170mA/5Vdc | 200mA/5Vdc | 40mA/5Vdc | 80mA/5Vdc |
| Common 방식 | 4 Channels / 2COM (Single Common) | | | | | | 4Common, Field Power 0V is Common(AGND) | |
| 절연방식 | Photocoupler isolation | | | | | | | |

Class 2, adjacent to voltage rating (30Vmax.)

Cautions for your Safety

*We appreciate you for purchasing CREVIS Products. To use the units more effectively, please read this quick guide and refer to the respective user manual for further details.

If you don't follow the directions, it could cause a personal injury, damage to the equipment or explosion

Warning!

- Do not assemble the products and wire with power applied to the system. Else it may cause an electric arc, which can result into unexpected and potentially dangerous action by field devices. Arching is explosion risk in hazardous locations. Be sure that the area is non-hazardous or remove system power appropriately before assembling or wiring the modules.
- Do not touch any terminal blocks or IO modules when system is running. Else it may cause the unit to an electric shock or malfunction.
- Keep away from the strange metallic materials not related to the unit and wiring works should be controlled by the electric expert engineer. Else it may cause the unit to a fire, electric shock or malfunction.

If you disobey the instructions, there may be possibility of personal injury, damage to equipment or explosion. Please follow below Instructions.

Caution!

- Check the rated voltage and terminal array before wiring. Avoid the circumstances over 55℃ of temperature. Avoid placing it directly in the sunlight.
- Avoid the place under circumstances over 85% of humidity.
- Do not place Modules near by the inflammable material. Else it may cause a fire.
- Do not permit any vibration approaching it directly.
- Go through module specification carefully, ensure inputs, output connections are made with the specifications. Use standard cables for wiring.
- Use Product under pollution degree 2 environment.

1. Input Module Specification

| model | ST-3114 | ST-3134 | ST-3214 | ST-3234 | ST-3118 | ST-3218 | ST-3428 |
|-----------------|--|---------|---------|---------|---|---------|---------|
| Channel | 4 Channel | | | | 8 Channel | | |
| Input Range | 0~20mA | | 4~20mA | | 0~20mA | 4~20mA | 0~10V |
| Type | Current | | | | | | Voltage |
| Resolution | 12bit | 14bit | 12bit | 14bit | 12bit | | |
| connector | Terminal block | | | | | | |
| Accuracy | ±0.1% Full Scale @25°C, ±0.3% Full Scale @ 0°C, 60°C | | | | | | |
| Input Impedance | 120Ω | | | | | | 500KΩ |
| Update Time | 4ms / All channel | | | | | | |
| Consum. Current | 165mA/5Vdc | | | | 80mA/5Vdc | | |
| Common | 4 Channels / 2COM (Single Common) | | | | Nothing in the module terminal, Field Power 0V is Common(AGND) | | |
| Isolation | Photocoupler isolation | | | | | | |

| model | ST-3424 | ST-3444 | ST-3524 | ST-3544 | ST-3624 | ST-3644 | ST-3274 | ST-3474 |
|-----------------|---|------------|----------|------------|------------|------------|---|-----------|
| Channel | 4 Channel | | | | | | | |
| Input Range | 0~10V | | -10V~10V | | 0~5V | | 4~20mA | 0~10V |
| Type | Voltage | | | | | | Current | Voltage |
| Resolution | 12bit | 14bit | 12bit | 14bit | 12bit | 14bit | 12bit | |
| connector | Terminal block | | | | | | Sensor connector | |
| Accuracy | ±0.1% Full Scale @25℃, ±0.3% Full Scale @ 0℃, 60℃ | | | | | | | |
| Input Impedance | 500KΩ | | | | | | 120Ω | 500KΩ |
| Update Time | 4ms / All channel | | | | | | | |
| Consum. Current | 165mA/5Vdc | 170mA/5Vdc | | 200mA/5Vdc | 170mA/5Vdc | 200mA/5Vdc | 40mA/5Vdc | 80mA/5Vdc |
| Common | 4 Channels / 2COM (Single Common) | | | | | | 4Common, Field Power 0V is Common(AGND) | |
| Isolation | Photocoupler isolation | | | | | | | |

Class 2, adjacent to voltage rating (30Vmax.)

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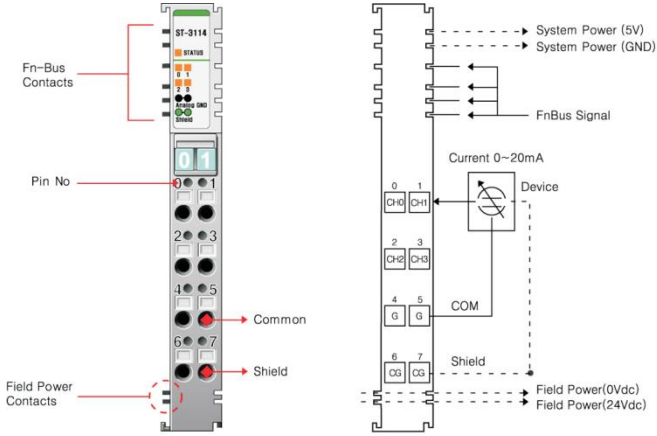


* Specifications and designs could be changed without advance Notice

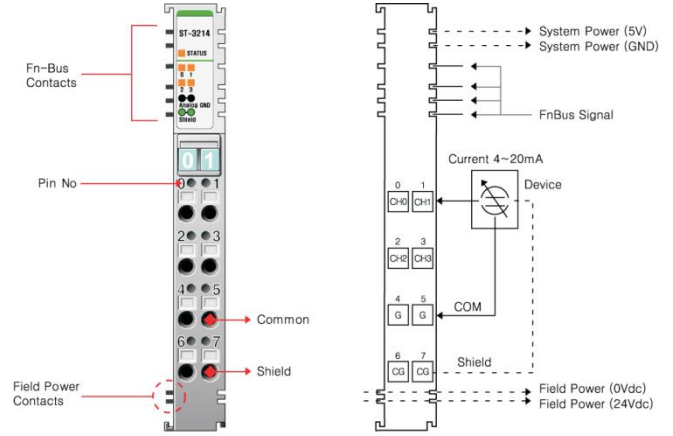
* Power Isolators must be used according to the usage of 5VDC/24VDC/48VDC or AC Voltage modules

2. Input wiring Diagram

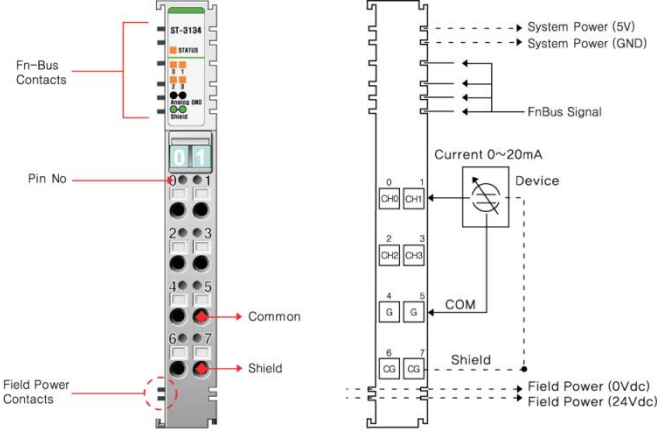
ST-3114 : 4 channels Current 0~20mA 12bit



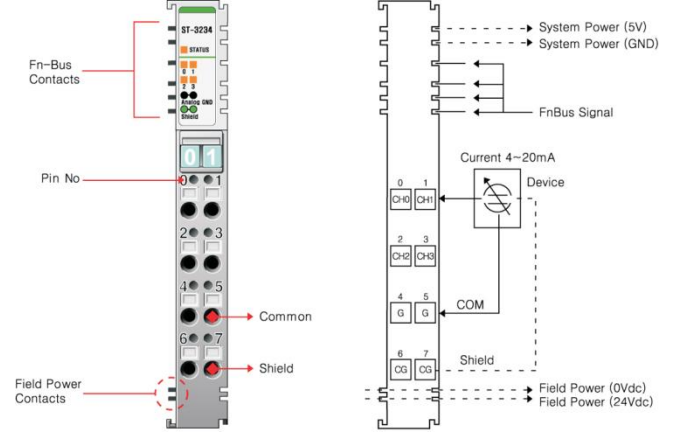
ST-3214 : 4 channels Current 4~20mA 12bit



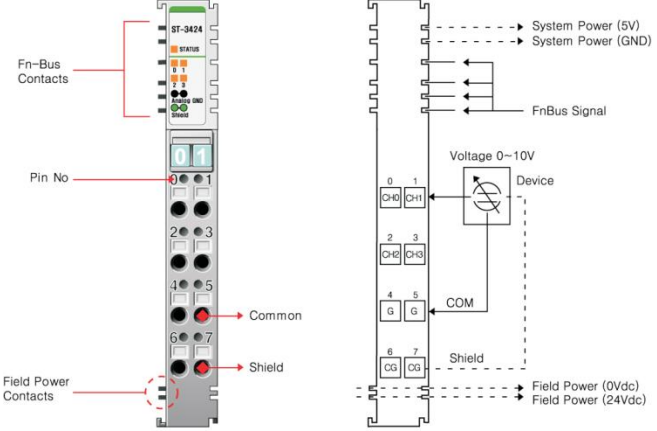
ST-3134 : 4 channels Current 0~20mA 14bit



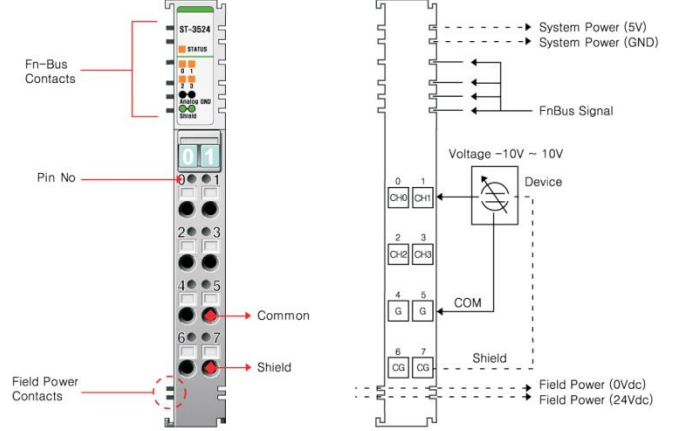
ST-3234 : 4 channels Current 4~20mA 14bit



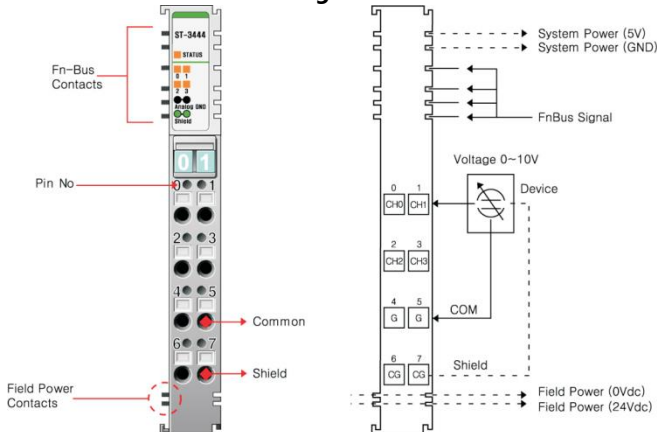
ST-3424 : 4 channels Voltage 0~10V 12bit



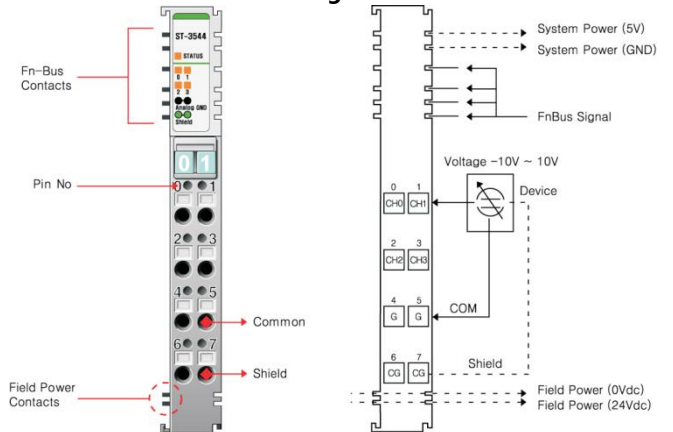
ST-3524 : 4 channels Voltage -10~10V 12bit



ST-3444 : 4 channels Voltage 0~10V 14bit

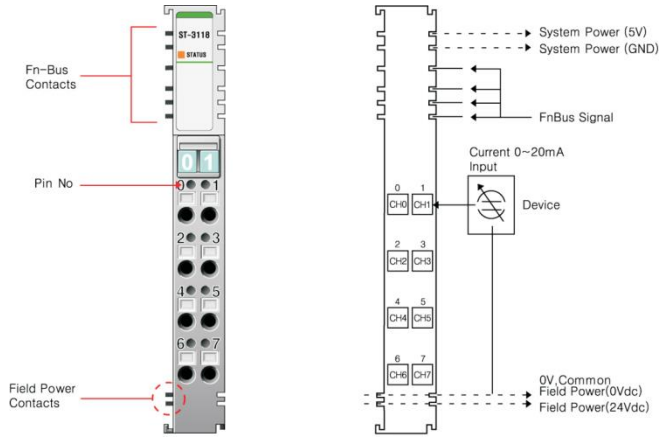


ST-3544 : 4 channels Voltage -10~10V 14bit

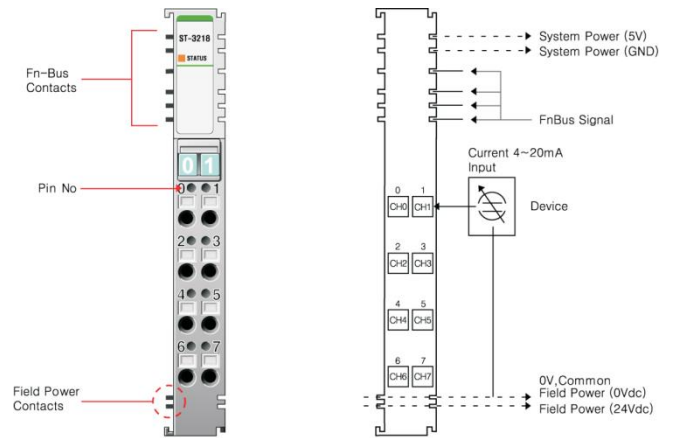


2. Input wiring Diagram

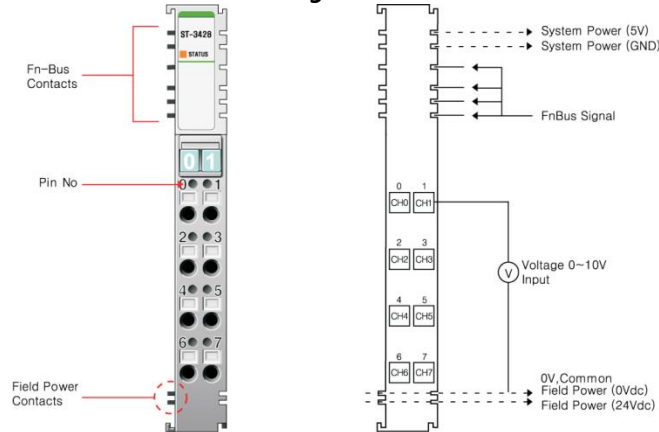
ST-3118 : 8 channels Current 0~20mA 12bit



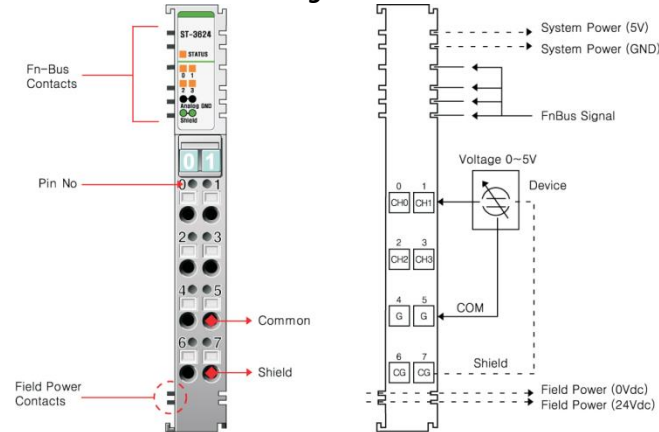
ST-3218 : 8 channels Current 4~20mA 12bit



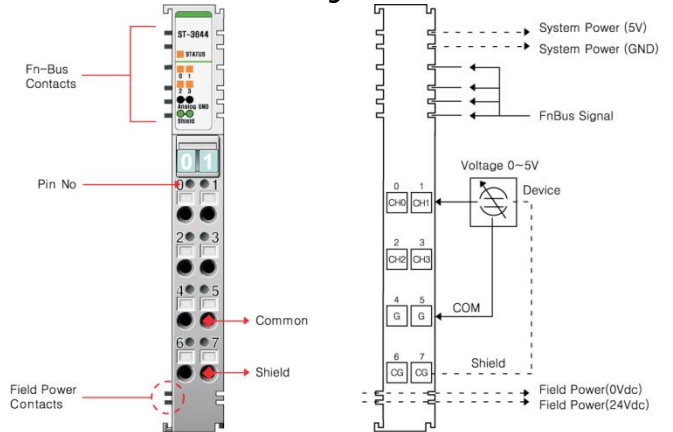
ST-3428 : 8 channels Voltage 0~10V 12bit



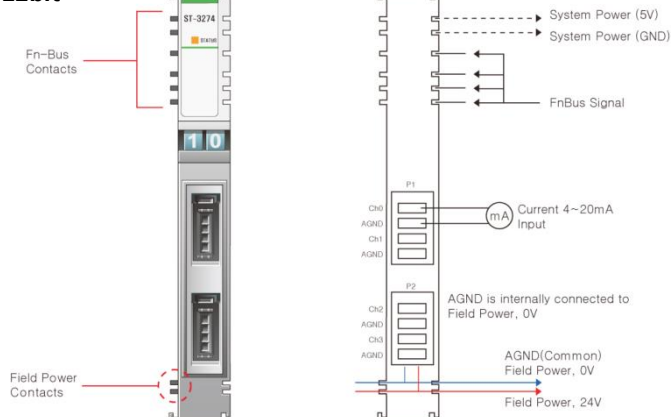
ST-3624 : 4 channels Voltage 0~5V 12bit



ST-3644 : 4 channels Voltage 0~5V 14bit



ST-3274 : 4 channels Current 4~20mA Sensor connector, 12bit



ST-3474 : 4 channels Voltage 0~10V Sensor connector, 12bit

