


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.
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화재, 감전사고 및 오동작의 원인이 됩니다.

 경고

지시사항을 위반하였을 때, 경미한 손해나 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.
- 확장 연결되는 모듈의 부하는 규정된 정격이내의 것을 연결하십시오.

화재,감전사고, 오동작의 원인이 됩니다.
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화재 및 감전사고의 원인이 됩니다.
감전, 화재, 오동작 또는 제품 열화의 원인이 됩니다.
화재, 오동작 또는 고장의 원인이 됩니다.

 주의

1. Special Module별 세부사양

▶ 1-1. Power Module 사양

모델	ST-7111	ST-7511	ST-7241	ST-7641
System Input Voltage range	11Vdc to 28.8Vdc		--	
System Power Input Voltage	Normal 24Vdc		--	
Field Power Input Voltage	Normal 24Vdc (20%)		Arbitrary 5Vdc,24Vdc,48Vdc,120Vac,240Vac	
Fn-Bus Output Voltage	Max. 5Vdc, 1A		--	
Field Power Contacts Current	Max. 10A			
Indicator	2 Green Input state	1 Green/Red LED, Module Status / 2Green LED, Input Status	Non Indicate	1 Green/Red LED, Module Status
power dissipation	--	Max. 14mA @ 5Vdc	--	Max. 18mA @ 5Vdc
ID Type	--	ID Type	--	ID Type
weight	70g			
Cable wiring	I/O Cable Max. 2.0mm ² (AWG 14)			

▶ 1-2. Potential distributor module 사양

모델	ST-7008	ST-7108	ST-7118	ST-7188	ST-7408	ST-7508	ST-7518	ST-7588
Field Power Voltage	Shield	0Vdc	24Vdc	24Vdc, 0Vdc	Shield	0Vdc	24Vdc	24Vdc, 0Vdc
Field Power Contacts Current	Max.10A							
indicator	Non Indicate				1 Green/Red LED, Module Status			
power dissipation	Expansion Power Distributor	--		Expansion Power Distributor	Max. 18mA @ 5Vdc			
ID Type	--				ID Type			
weight	65g				70g	65g	64g	65g
Cable wiring	I/O Cable Max. 2.0mm ² (AWG 14)							

Cautions for your Safety

*This consists of Warning and Notice. Please make sure of reading them before you use the products.

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°C 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. Special Module Specification**► 1-1. Power Module Specification**

Model	ST-7111	ST-7511	ST-7241	ST-7641
System Input Voltage range	11Vdc to 28.8Vdc		--	
System Power Input Voltage	Normal 24Vdc		--	
Field Power Input Voltage	Normal 24Vdc (20%)		Arbitrary 5Vdc,24Vdc,48Vdc,120Vac,240Vac	
Fn-Bus Output Voltage	Max. 5Vdc, 1A		--	
Field Power Contacts Current	Max. 10A			
Indicator	2 Green Input state	1 Green/Red LED, Module Status / 2Green LED, Input Status	Non Indicate	1 Green/Red LED, Module Status
power dissipation	--	Max. 14mA @ 5Vdc	--	Max. 18mA @ 5Vdc
ID Type	--	ID Type	--	ID Type
weight	70g			
Cable wiring	I/O Cable Max. 2.0mm² (AWG 14)			

► 1-2. Potential distributor module Specification

Model	ST-7008	ST-7108	ST-7118	ST-7188	ST-7408	ST-7508	ST-7518	ST-7588
Field Power Voltage	Shield	0Vdc	24Vdc	24Vdc, 0Vdc	Shield	0Vdc	24Vdc	24Vdc, 0Vdc
Field Power Contacts Current	Max.10A							
indicator	Non Indicate				1 Green/Red LED, Module Status			
power dissipation	Expansion Power Distributor	-		Expansion Power Distributor	Max. 18mA @ 5Vdc			
Type	-				ID Type			
weight	65g				70g	65g	64g	65g
Cable wiring	I/O Cable Max. 2.0mm ² (AWG 14)							

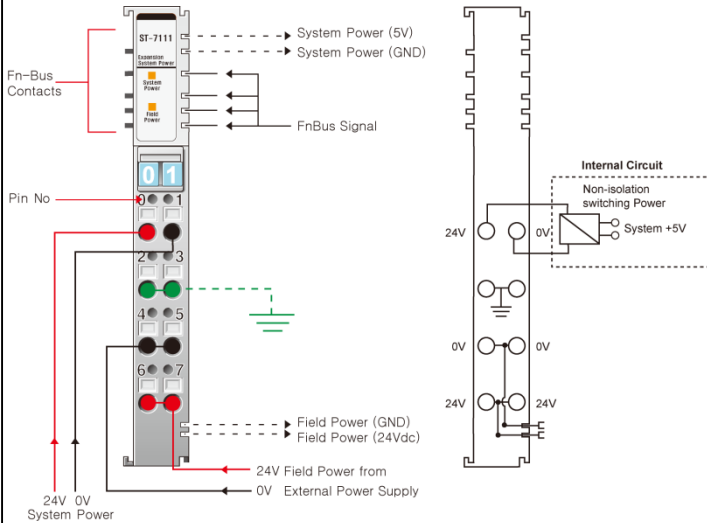
Class 2, adjacent to voltage rating (30Vmax.)



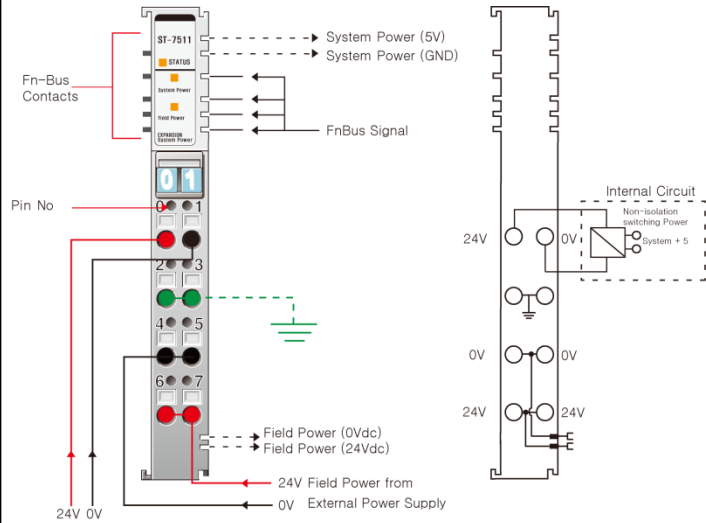
* Specifications and designs could be changed without advance Notice.

2. Wiring Diagram

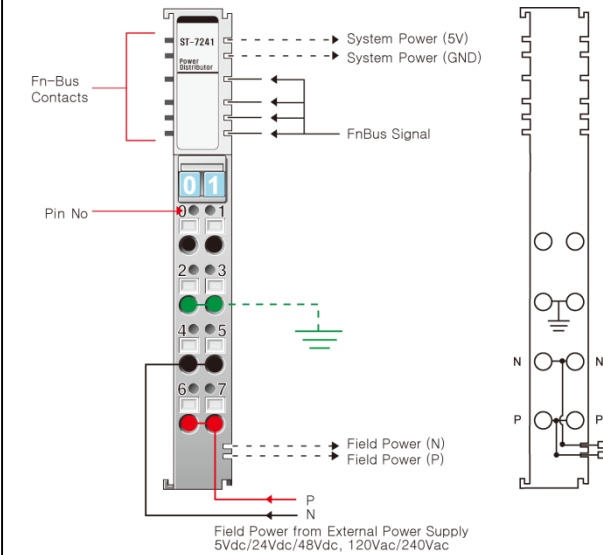
ST-7111 : 1Channel Expansion Power Supply Module



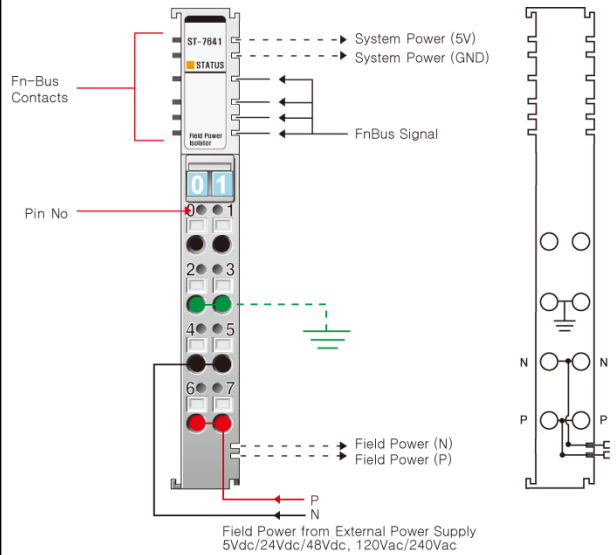
ST-7511 : 1Channel Expansion Power Supply, ID Type



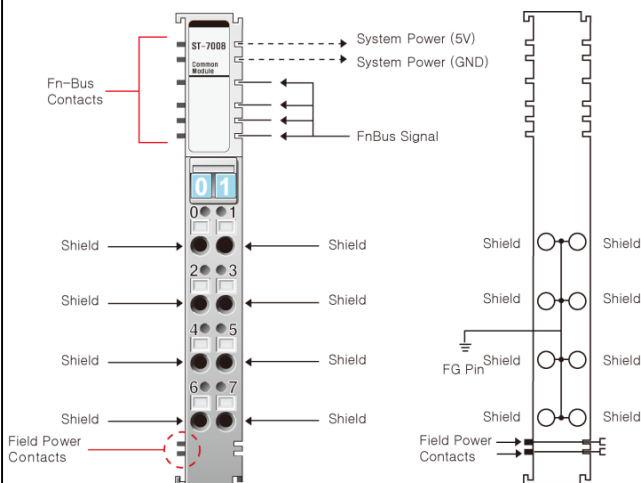
ST-7241 : 1Channel Field Distributor, 5V~48Vdc, 120~240Vac



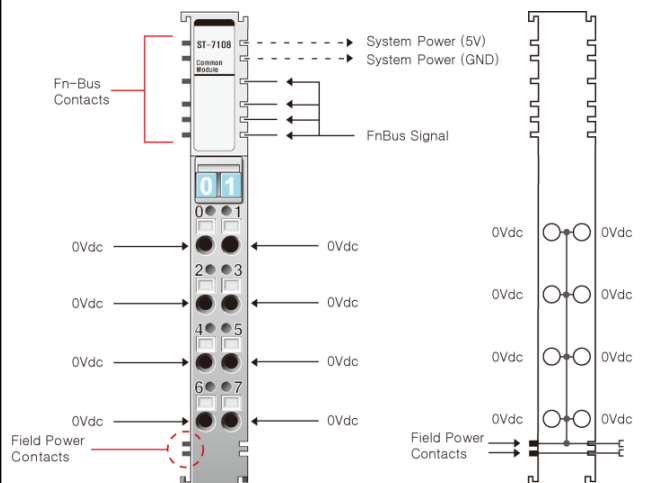
ST-7641 : 1Channel Field Distributor Module ID Type



ST-7008 : 8 Channels Shield Module

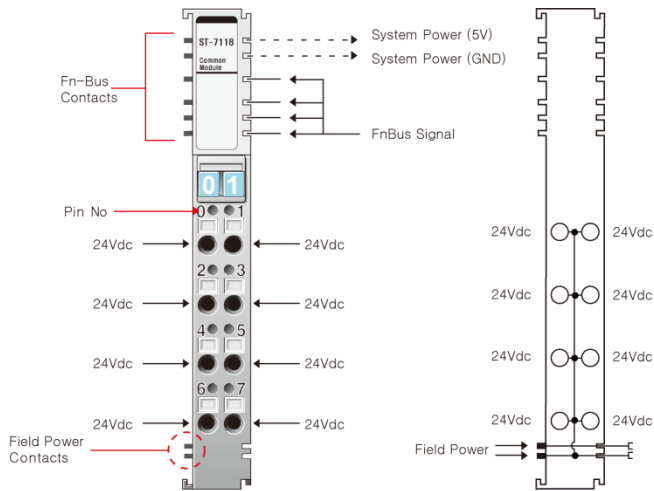


ST-7108 : 8 Channels Common Module, 0V

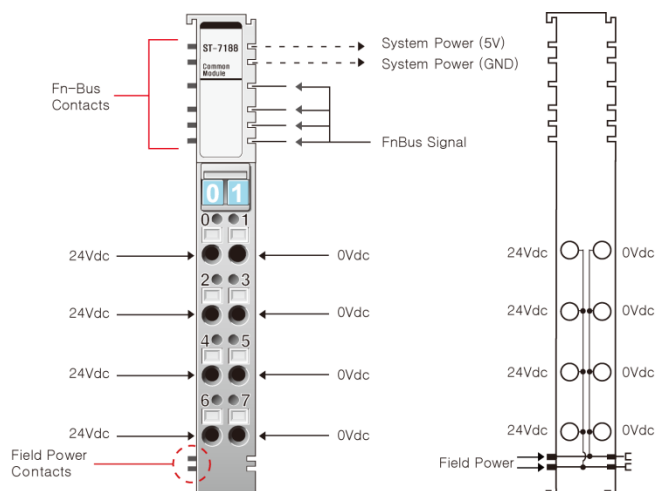


2. Wiring Diagram

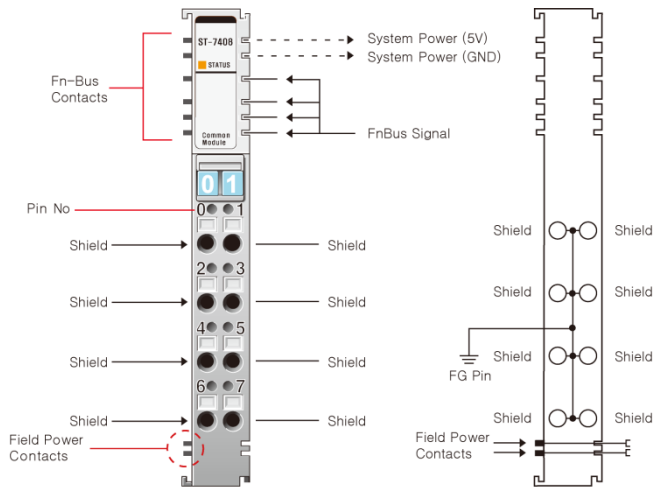
ST-7118 : 8Channels Common Module 24Vdc



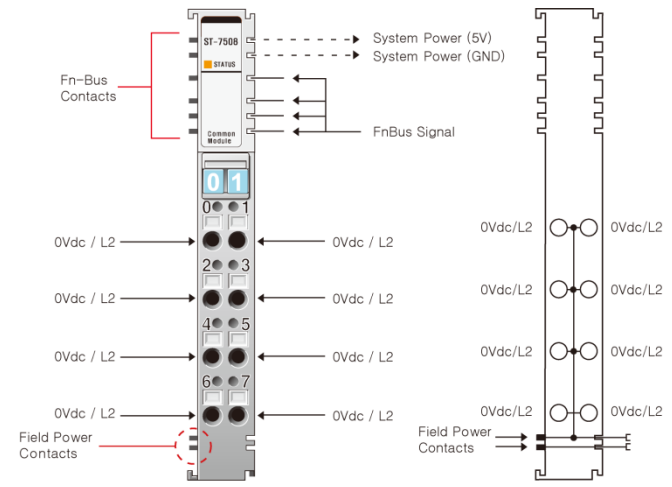
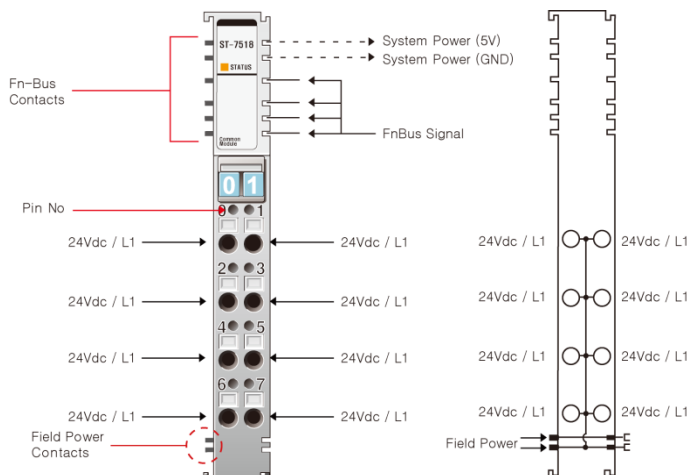
ST-7188 : 8Channels Common Module 24Vdc/0Vdc



ST-7408 : 8Channels Shield Module. ID Type



ST-7508 : 8Channels Common, N COM/L2 ID Type

**ST-7518 : 8 Channels Common, P/L1 ID Type**

ST-7588 : 8 Channels Common, P,N/L1,L2 ID Type

