

F2008 Wiring Method for DI Signal Connector

1 . Power Connector:

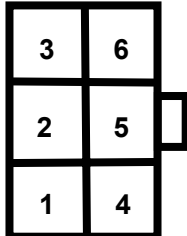
MOLEX 5559-06P-210 is equipped.

Conformable Receptacle is MOLEX 5557-06R-210.

Combined Female Pin is MOLEX 57026-5000 in case of AWG18~AWG24 wire.

In case of AWG16 wire , MOLEX 57027-5000 is suitable.

Please refer wiring drawing of connectors for details.



- 1: Connect supply power to input connector Pin No.1 of Ch1~Ch8.
- 2: Connect to ground.
- 3: Connect 0 V of power which supplies to UIT F2008.
- 4: Connect supply power to input connector Pin No.2 of Ch1~Ch8.
- 5: Connect to ground.
- 6: Connect +V of power which supplies to UIT F2008 (DC9 ~ 30V).

<From receptacle insertion side>

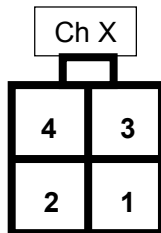
2 . Input Conector:

MOLEX 43020-0400 is equipped.

Conformable receptacle is MOLEX 43025-0400.

Combined Female Pin is MOLEX 43030-0007 which is for AWG20 ~ AWG24 wire.

Please refer wiring drawing of connectors for details.

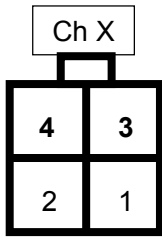


- 1: Connect to product which needs to get power from power connector pin No.1.
- 2: Connect to product which needs to get power from power connector pin NO.4.
- 3: Input signal (No polarity between 3-4 max35VDC/ACrms)
- 4: Input signal (No polarity between 3-4 max35VDC/ACrms)

<From receptacle insertion side>

Example 1 - In case to get signal from Indication Light:

Example shows to get signal from Indication Light which runs 24V.

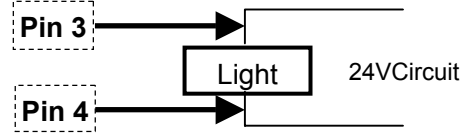


If it's 24V, AC and DC is acceptable.

Connect Pin No.3 to one side Indication Light.

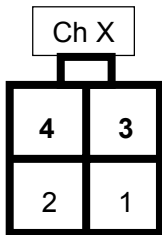
Connect Pin No.4 to other side Indication Light.

There is no connection to Pin No.1 and No.2.



Example 2 - In case to get signal from Relay Coil:

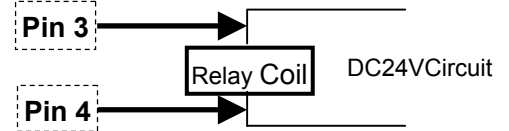
Example shows to get signal from Relay Coil which runs DC24V.



Connect Pin No.3 to one side of Relay Coil.

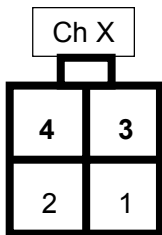
Connect Pin No.4 to other side of Relay Coil.

There is no connection to Pin No.1 and No.2.



Example 3 - In case to get signal directly from AC100V circuit:

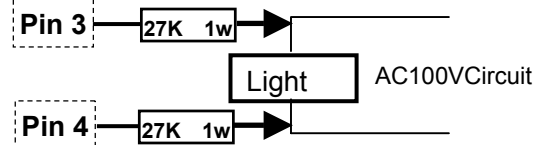
Example shows to get signal directly from Indication Light which runs by AC100V.



Please make wiring carefully as you may break products by wiring mistake and receiving electric shock as supply voltage is high.

Connect Pin No.3 to one side of Indication Light through 27K 1W 300V of metal film resistor.

Connect Pin No.4 to other side of Indication Light through 27K 1W 300V of metal film Resistor.



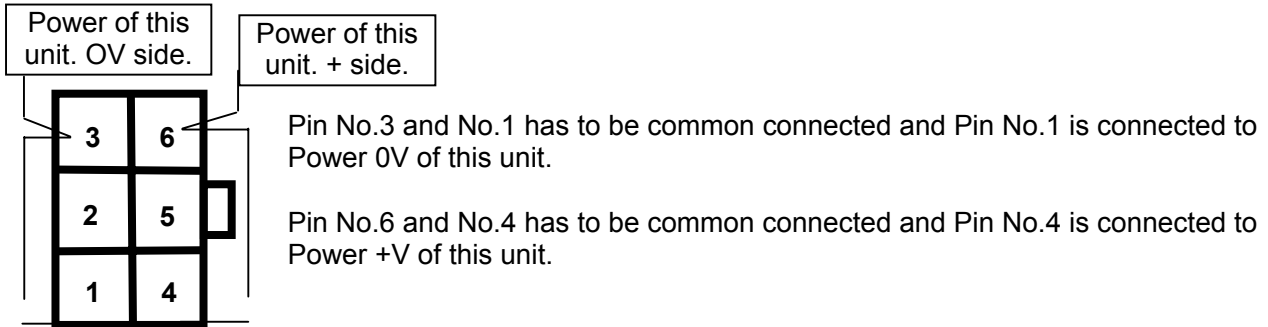
There is no connection to Pin No.1 and No.2.

Please wiring 27K 1W 300VAC100V of metal film resistor near by AC100V circuit carefully to insulate.

If you connect resistor near by input connector of this unit, it will cause of short circuit and leaking.

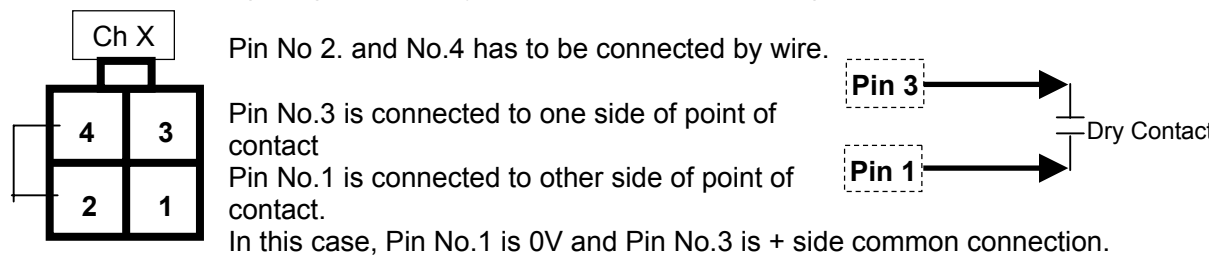
Attention : Please take insulated signal out from safety product such as relay if it's over AC100V circuit not directly like as above .

Follows treatment to power connector is required in order to get Signal at example.



Example 4 - In case to get signal from Point of Contact of Relay :

Example shows to get signal from Dry Point of Contact (No Voltage Contact).



Example 5 - In case to get signal from Optical Switch:

Example shows to get signal from NPN open collector type optical switch. In this example, operation power voltage of optical switch is same with this unit.

