



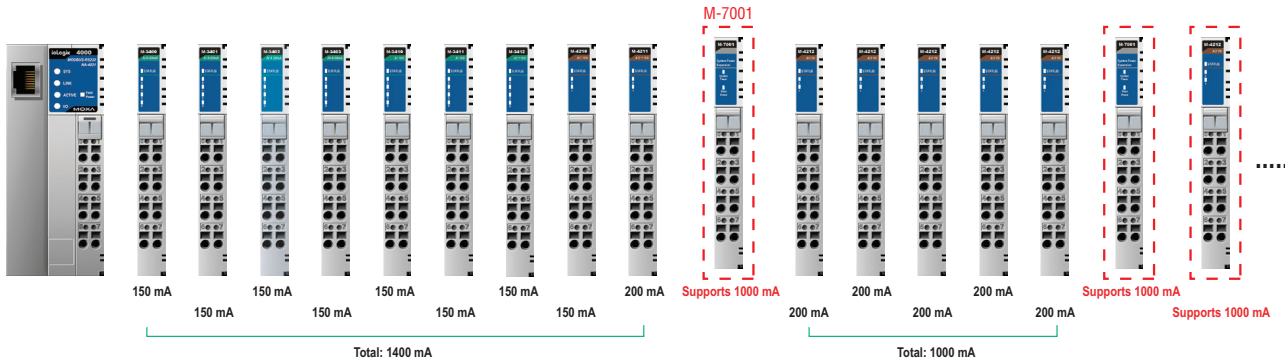
Power Modules

When to Use a Power Module

System Power Distributor

The system power expansion module is designed to provide extra power for connected I/O expansion modules. Each NA-4000 series network adaptor can provide 1.5 A @ 5 VDC. If you need more power

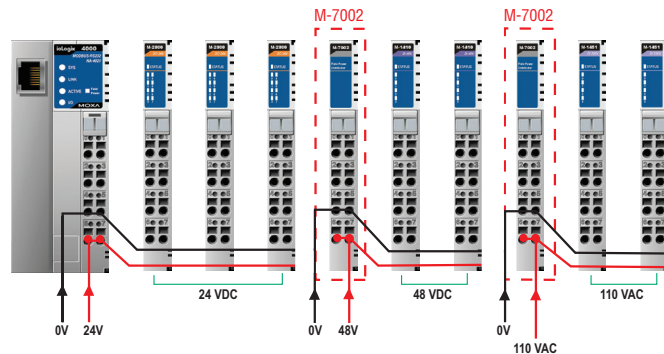
for your installed I/O expansion modules, you will need to use an M-7001 module. However, note that the M-7001 can only provide 1 A @ 5 VDC.



Field Power Distributor

The field power distributor is designed to isolate different field voltages. For example, before you connect a 48 VDC or 110 VAC DI/O

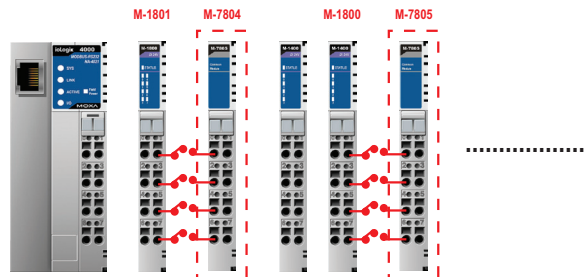
module to a 24 VDC DI/O module, you will need an M-7002 field power distributor.



Potential Power Distributor

There are three types of potential distributor modules that provide extra wiring points, such as shielding ground, 0 V field power, and 24 V field power. For example, the 8-channel digital input (sink type)

module by itself does not have a 24 V wiring point. In this case, you can add an M-7805 for easier wiring.



Power Modules



M-7001: System power module

System Input Voltage: 24 VDC, 11 to 28.8 VDC
Field Power Input Voltage: 24 VDC ($\pm 20\%$)
Current for I/O Modules: 1.5 A @ 5 VDC (Max.)
System Bus Output Voltage: 5 VDC (Max.)
Field Power Contacts Current: 10 A (Max.)
MTBF: 19,569,840 hrs (Database: Telcordia/Bellcore)



M-7002: Field power module

Field Power Input Voltage:
 • DC: 5 VDC, 24 VDC, 48 VDC
 • AC: 110 VAC, 220 VAC
Current for Field Power Contacts: 10 A (Max.)
MTBF: 75,528,720 hrs (Database: Telcordia/Bellcore)



M-7804: 0 VDC

Channels: 8
Mode: 0 VDC
MTBF: 73,750,440 hrs (Database: Telcordia/Bellcore)



M-7805: 24 VDC

Channels: 8
Mode: 24 VDC
MTBF: 73,750,440 hrs (Database: Telcordia/Bellcore)

: Ordering Information

Available Models

M-7001: Modular remote I/O module with 24 VDC system power input, RTB, -10 to 60°C operating temperature

M-7002: Modular remote I/O module with 5/24/48 VDC or 110/220 VAC field power input, RTB, -10 to 60°C operating temperature

M-7004: Modular remote I/O module with 8 channels 0 VDC output, RTB, -10 to 60°C operating temperature

M-7005: Modular remote I/O module with 8 channels 24 VDC output, RTB, -10 to 60°C operating temperature