



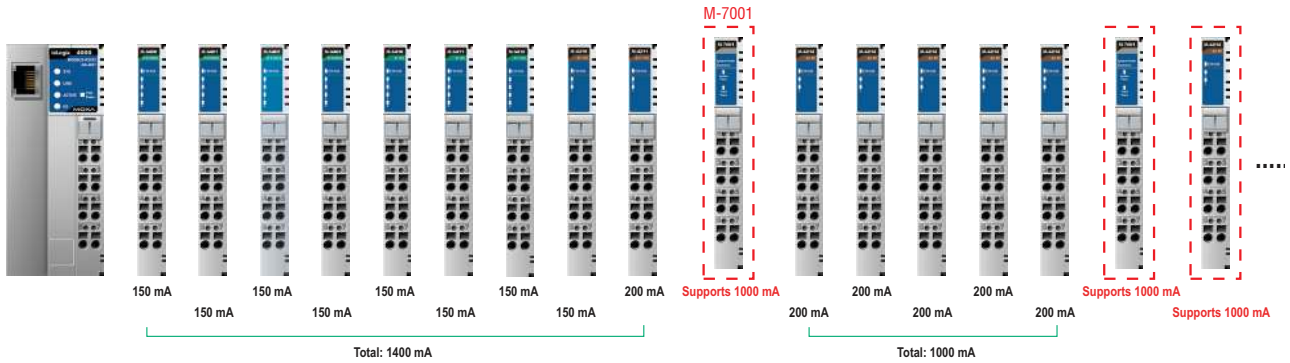
# Power Modules

## 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

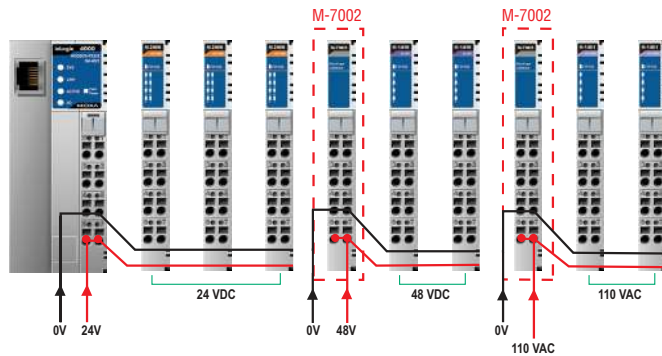
for your installed I/O expansion modules, you will need to use an M-7001 module. However, note that the M-7001 can only provide 1 A @ 5 VDC.



### 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

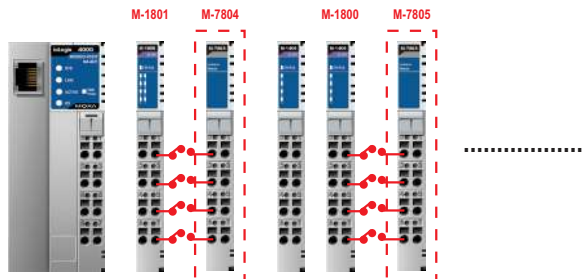
module to a 24 VDC DI/O module, you will need an M-7002 field power distributor.



### 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