

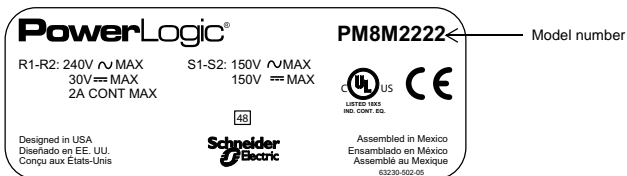
PowerLogic® Power Meter Input/Output Module

Introduction

➔ The PowerLogic Power Meter Input/Output module (PM I/O) is available in three models. The **PM8M2222** is equipped with two digital outputs, two digital inputs, two analog outputs, and two analog inputs. The PM8M26 module has two digital outputs, six digital inputs, and one 24 V source. The PM8M22 has two digital outputs and two digital inputs.



Identification




Specifications For PM8M2222 and PM8M26

Environmental	
Operating Temperature	-25°C to +70°C
Storage Temperature	-40°C to +85°C
Humidity Rating	5–95% (relative humidity, non-condensing: at 40°C)
Altitude Range	0–3000 meters
For Indoor Use Only	—
Pollution Degree 2	—
Installation Category II	


Digital Inputs AC/DC for 2222 and 26

Input Voltage Range	20–150 Vac/dc
Input Current Draw (Maximum)	2 mA
Turn on Time (Max.)	1 msec
Turn off Time (Max.)	1 msec
Turn on voltage	20 V
Turn off voltage	5 V
Maximum input frequency	25 Hz 50% duty cycle (20 msec ON, 20 msec OFF)


Digital Output AC/DC Ratings for 2222 and 26

Load Voltage Range	0 to 240 Vac, 0 to 30 Vdc
Load Current	2 A rms, 5 A peak for 10 s once every hour
Maximum output frequency	1 Hz 50% duty cycle (500 msec on, 500 msec off)
Expected mechanical life	15 million operations
Contact ratings	250,000 operations at 2 A 250 Vac


Analog Inputs for 2222

Input voltage/current range	0–5 Vdc or 4-20 mA user selectable
Accuracy	0.2% full scale
Maximum input voltage	5.1 Vdc
Temperature drift	50 ppm/°C typical

 **Specifications For PM8M2222 and PM8M26** **Analog Output Ratings for 2222**

Output Current Range	4-20 mA (20 mA into 600 ohms max.)
Accuracy	1% full scale
Temperature drift	50 ppm/°C typical
Open circuit voltage	15 V

Standards**Product**

US	UL508
Canada	cUL508
EU	IEC61010-1

Emissions

Radiated	FCC part 15 Class A, EN55011
Conducted	FCC part 15 Class A, EN55011
Harmonics	IEC 1000-3-2
Flicker	IEC 1000-3-3

Immunity

ESD	IEC 1000-4-2 Level 3
Radiated	IEC 1000-4-3 Level 3
EFT	IEC 1000-4-4 Level 3
Surges	IEC 1000-4-5 Level 3
Conducted	IEC 1000-4-6 Level 3
Mag. Field	IEC 1000-4-8 Level 3
Voltage Dips	IEC 1000-4-11

Internal 24 V Power Source (PM8M26 only)

Output voltage	20–34 Vdc
Output current	10 mA max.
Maximum load	8 digital inputs