

Specifications

47 Series Valve

Fluids:

Compressed Air or Inert Gases

Lubrication:

Not required. If used, select a medium aniline point lubricant (between 180°F and 210°F)

Safe Operating Temperature Range:

0°F to 120°F (-18°C to 50° C)

Pressure Range:

Vacuum to 150 PSI

Electrical:

DC 12/24 Volt 1.0w to 5.2w

AC 120, 220, 240VAC

Maximum Coil Amperage - 250mA

Maximum Voltage - 240VAC

Dielectric Strength in Excess of 2000 Volts.

Recommended Mating Sub-D Cable Specifications

3 Amp Current Rating per Conductor

300 Volt RMS, 105°C Insulation

Amp CPC Connector Specifications

Receptacle: (Mounted in MAConnect™ adapter block)

- Series 1 Amp CPC Connector
- Shell size 23
- 24 Male pins (1.57mm diameter)
- Five key configuration

Recommended Plug:

- Amp part number 206837-1
- 5 key configuration
- Recommended receptacle contacts are size 16 type III+ (Accepts pin dia. 1.57mm)

Additional information can be obtained from Amp Catalog 82021

Specifications

SM16 Manifold

Outputs:

Number: 16 Channels / Solenoids on manifold
Voltage Current: 24 VDC at 0.225 per channel (6.0 Watts max.)

Inputs:

Not available at this time

Protocols:

DeviceNet

Current Consumption:

Outputs - 4 A Max.
Electronics - 200mA

Voltage Ranges:

Operating with single supply: 24VDC
Operating separate supply for valves : 24VDC

Safe Operating Temperature Range:

0-50° C (32-120°F)
10-90% RH (Non-condensing)

Operating Atmosphere:

No corrosive gases

Enclosure:

Designed to meet NEMA 4 and IP65

Specifications

SM32 Manifold

Outputs:

Number: 16 Channels / Solenoids on manifold
Voltage Current: 24 VDC at .225 per channel (6.0 Watts max.)

Inputs:

Number: 4
Type: 24 VDC NPN or PNP Logic

Protocols:

DeviceNet
Allen Bradley Remote I/O*
Profibus
Interbus-S

Current Consumption:

Outputs - 4 A Max.
Electronics and Inputs - 75mA

Voltage Ranges:

Operating with single supply: 24VDC
Operating separate supply for valves : 24VDC

Safe Operating Temperature Range:

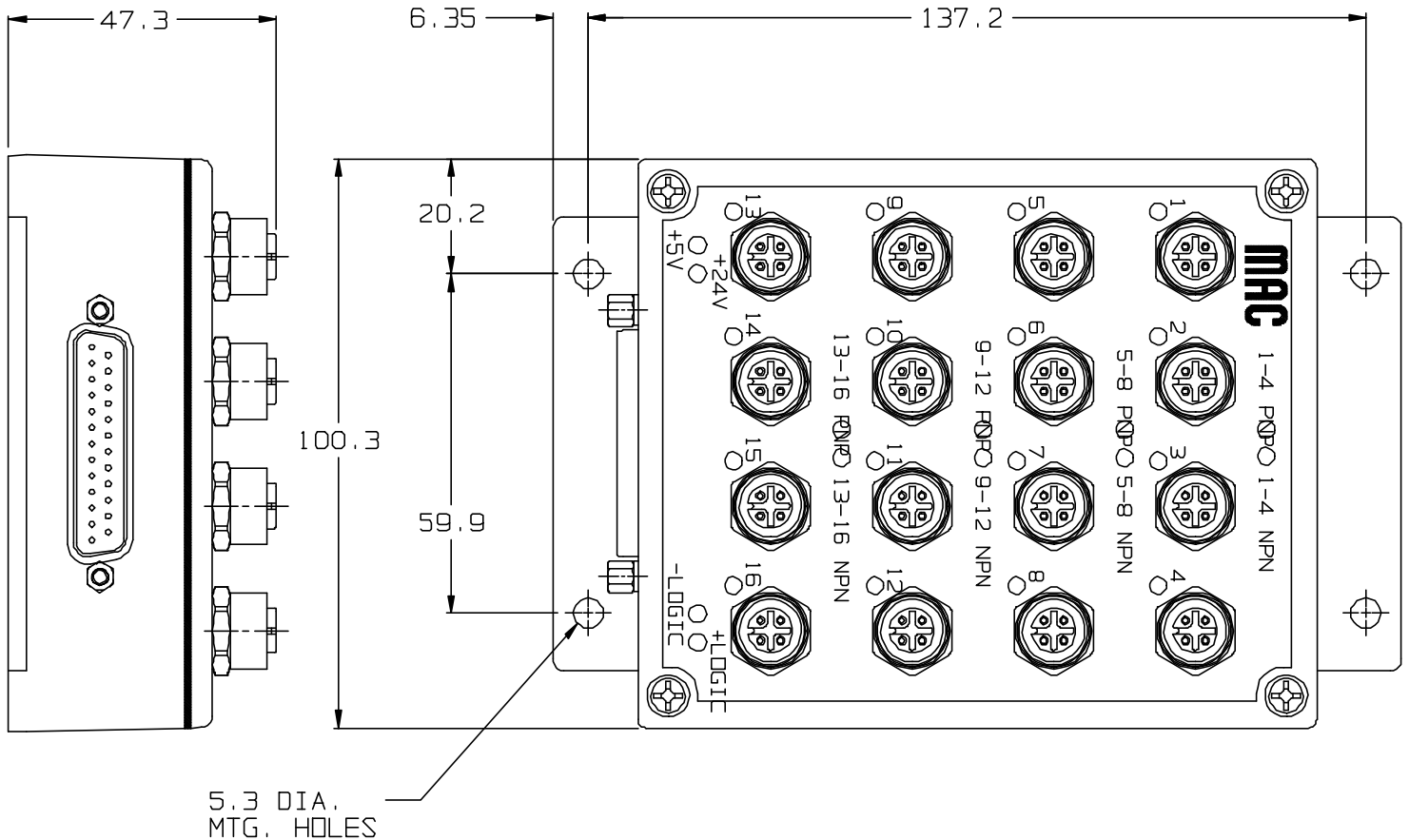
0-50° C (32-120°F)
10-90% RH (Non-condensing)

Enclosure:

Designed to meet NEMA 4 and IP65

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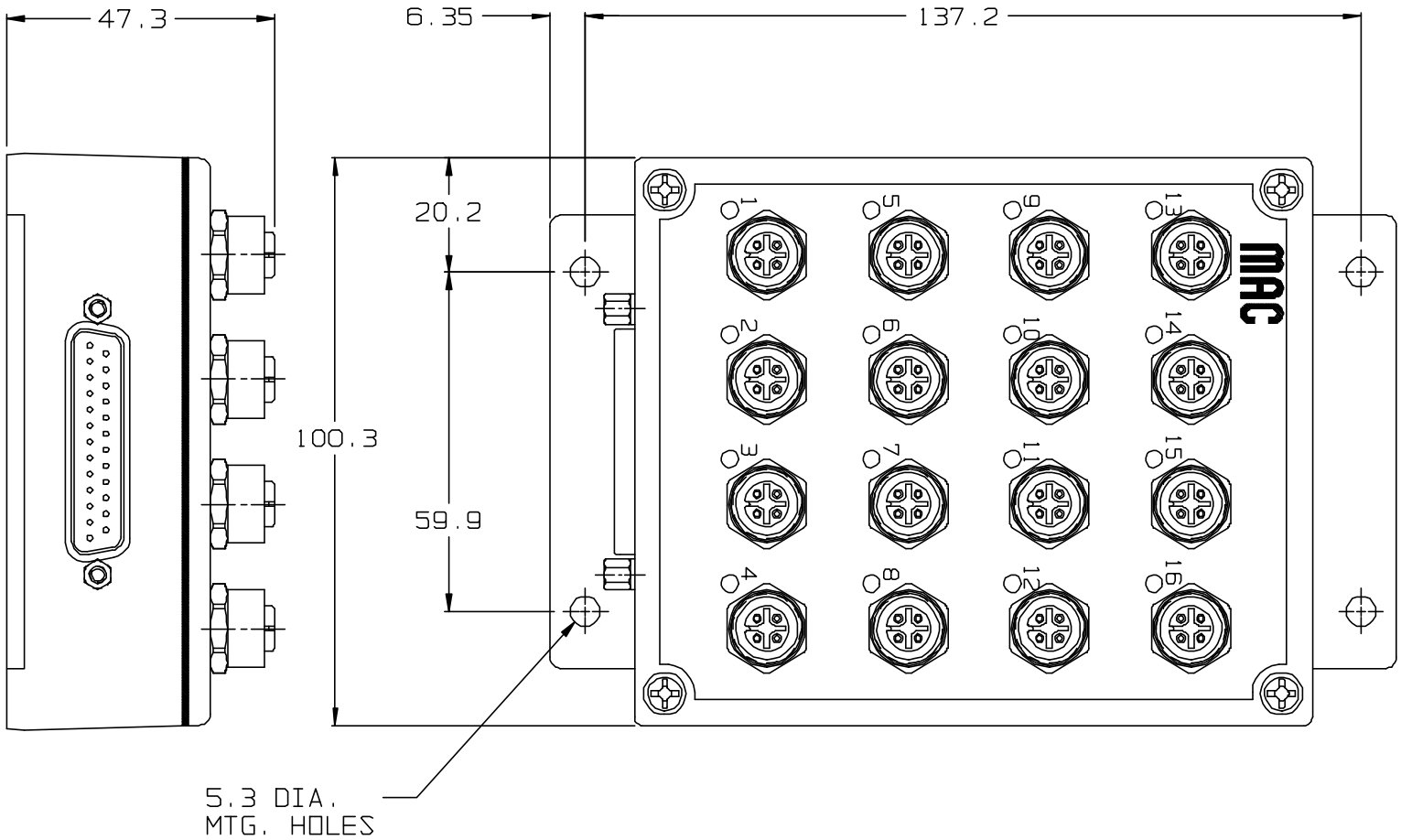
TETHERED INPUT MODULE



SPECIFICATIONS

NUMBER OF INPUTS:	4, 8, 12, 16
CONFIGURATION:	EACH BANK OF FOUR INPUTS CONFIGURABLE FOR NPN OR PNP INPUT TYPES. COMPLETE UNIT CONFIGURABLE FOR POSITIVE OR NEGATIVE LOGIC
ELECTRICAL:	24 VDC TYPE INPUTS ACCEPTED
PRODUCTION:	DESIGNED TO MEET NEMA 4 AND IP65
WEIGHT:	APPROXIMATELY 500 GRAMS
ENVIRONMENT:	0 - 50° C 10 - 90% RH (NON-CONDENSING)
CONNECTOR:	25 PIN SUB-D TETHERED BETWEEN SM8 ADAPTER BLOCK AND INPUT MODULE. 4 PIN SINGLE KEY MICRO STYLE FOR INPUTS, ONE CHANNEL PER CONNECTOR

TETHERED OUTPUT MODULE



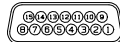
SPECIFICATIONS

NUMBER OF OUTPUTS:	4, 8, 12, 16
ELECTRICAL:	24 VDC TYPE OUTPUTS ACCEPTED
PRODUCTION:	DESIGNED TO MEET NEMA 4 AND IP65
WEIGHT:	APPROXIMATELY 500 GRAMS
ENVIRONMENT:	0 - 50° C 10 - 90% RH (NON-CONDENSING)
CONNECTOR:	25 PIN SUB-D TETHERED BETWEEN SM8 ADAPTER BLOCK AND OUTPUT MODULE. 4 PIN SINGLE KEY MICRO STYLE FOR OUTPUTS, ONE CHANNEL PER CONNECTOR



PIN #	SOLENOID #
1	1
2	2
/	/
20	20
21	+ COMMON
22	+ COMMON
23	+ COMMON
24	+ COMMON
25	+ COMMON

25 PIN SUB-D



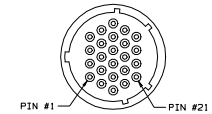
PIN #	SOLENOID #
1	1
2	2
/	/
13	13
14	+ COMMON
15	+ COMMON

15 PIN SUB-D



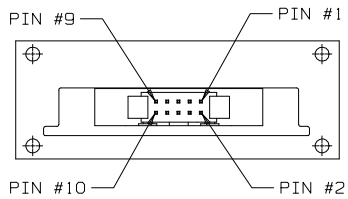
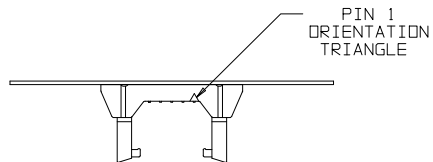
PIN #	SOLENOID #
1	1
2	2
/	/
8	8
9	+ COMMON

9 PIN SUB-D



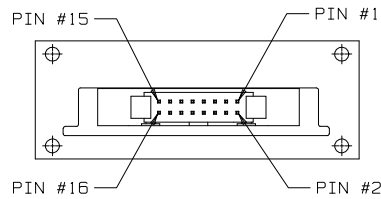
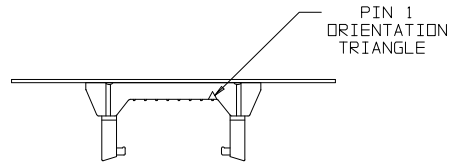
PIN #	SOLENOID #
1	1
2	2
/	/
20	20
21	+ COMMON
22	+ COMMON
23	+ COMMON
24	+ COMMON

24 PIN AMP CPC



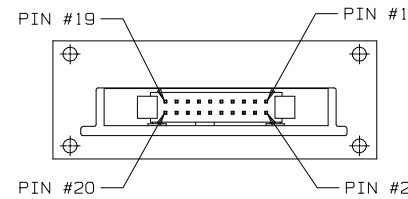
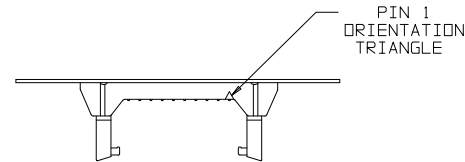
PIN #	SOLENOID #
1	1
2	2
/	/
8	8
9	+ COMMON
10	+ COMMON

10 PIN



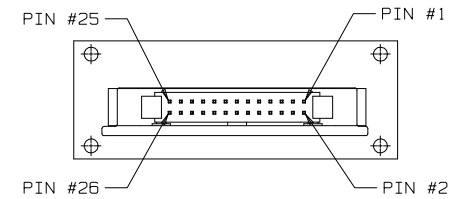
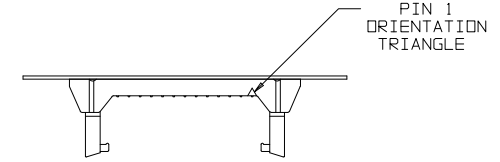
PIN #	SOLENOID #
1	1
2	2
/	/
12	12
13	+ COMMON
14	+ COMMON
15	+ COMMON
16	+ COMMON

16 PIN



PIN #	SOLENOID #
1	1
2	2
/	/
16	16
17	+ COMMON
18	+ COMMON
19	+ COMMON
20	+ COMMON

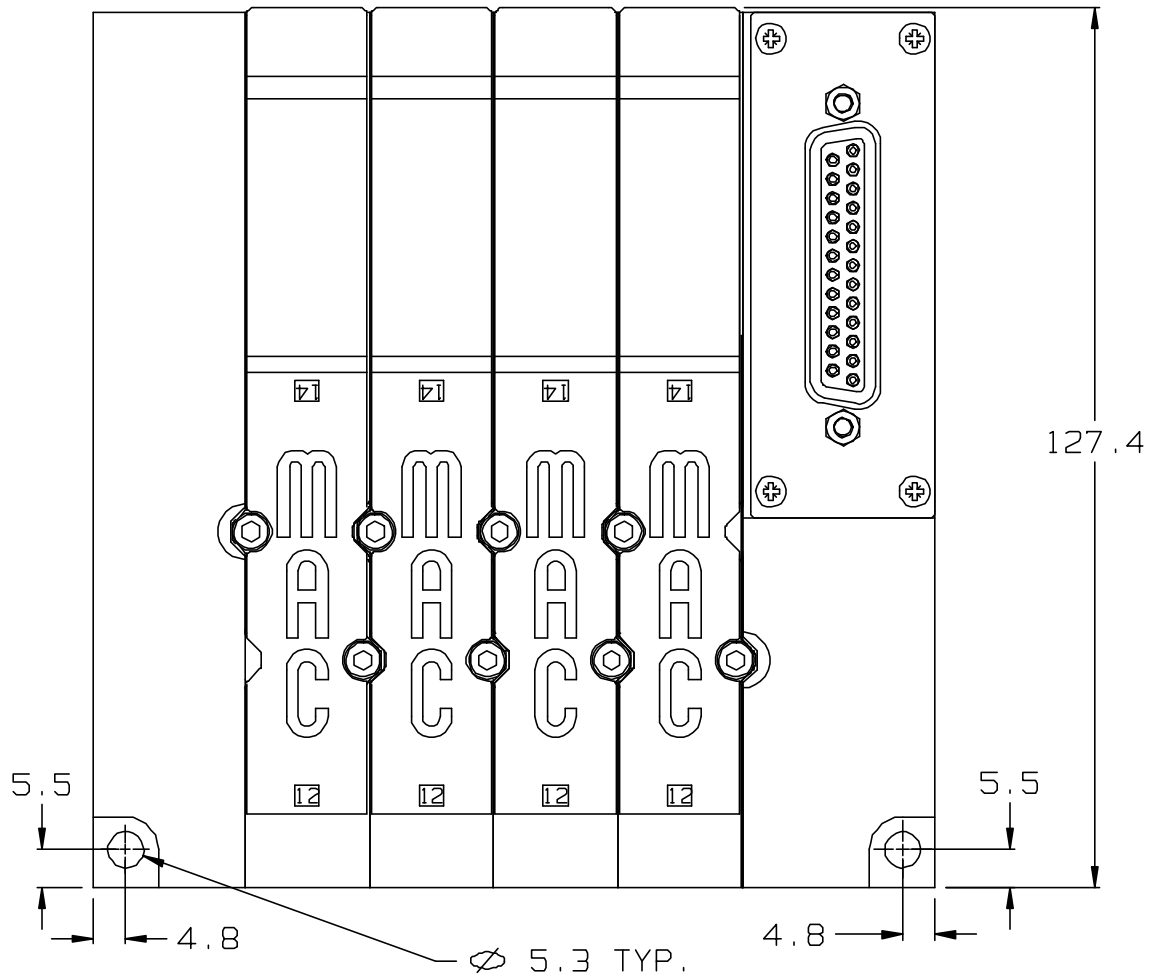
20 PIN



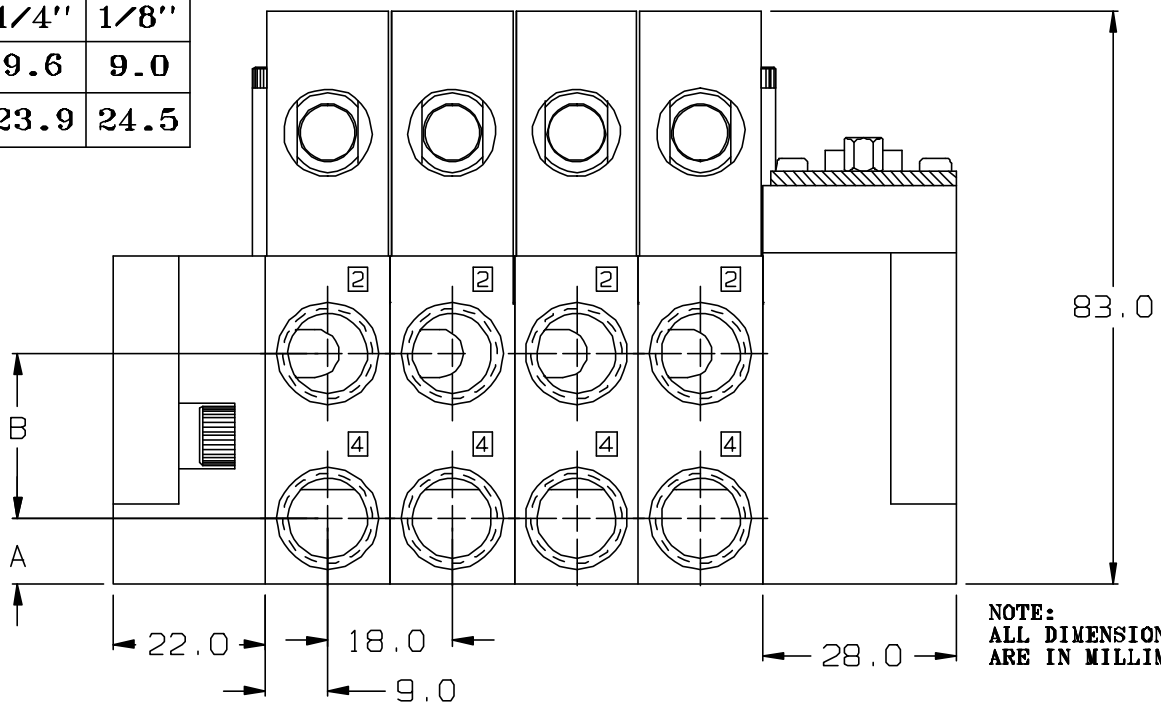
PIN #	SOLENOID #
1	1
2	2
/	/
20	20
21	+ COMMON
22	+ COMMON
23	+ COMMON
24	+ COMMON
25	+ COMMON
26	+ COMMON

26 PIN

47 SERIES MACONNECT SHOWN WITH MULTI PIN

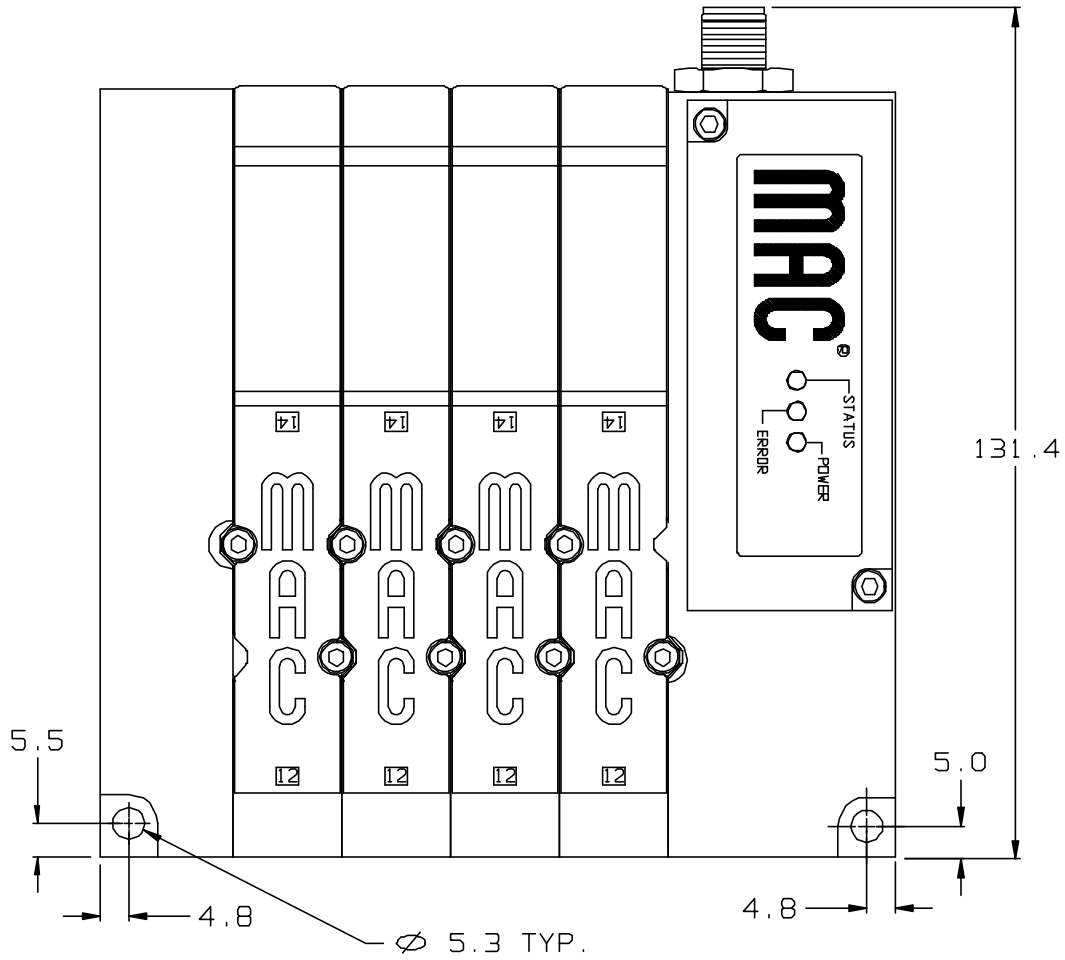


	1/4"	1/8"
A	9.6	9.0
B	23.9	24.5

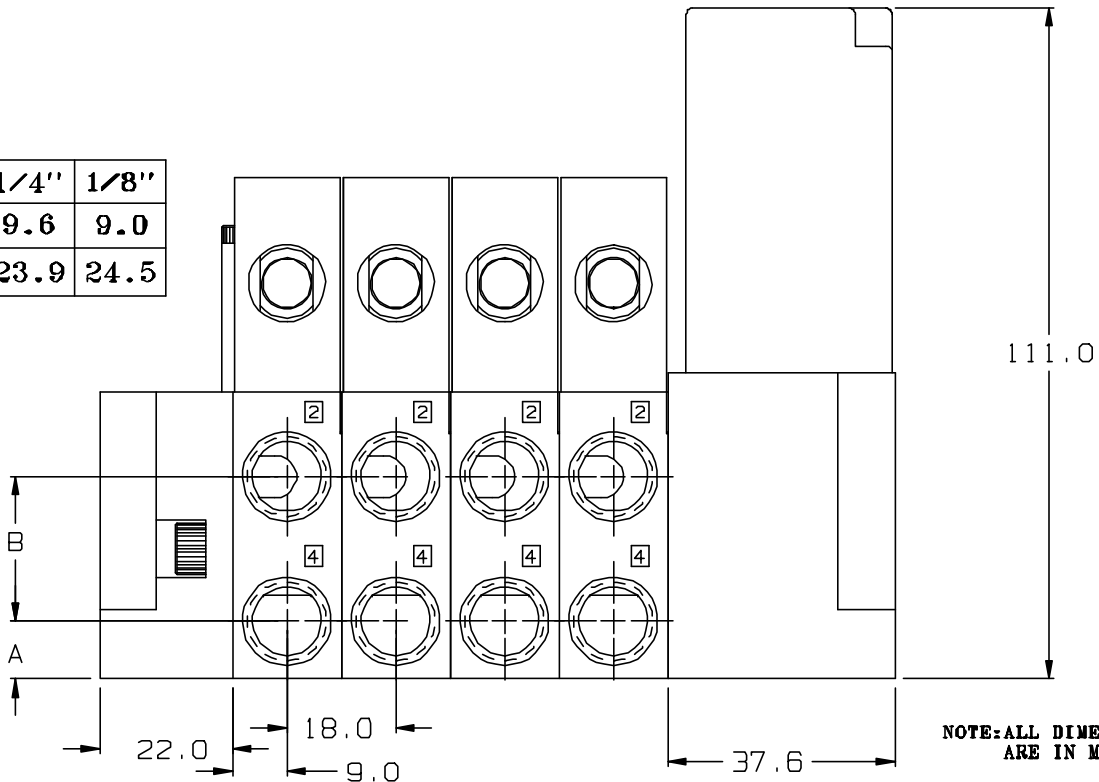


**NOTE:
ALL DIMENSIONS SHOWN
ARE IN MILLIMETERS**

47 SERIES MACONNECT SHOWN WITH SM16

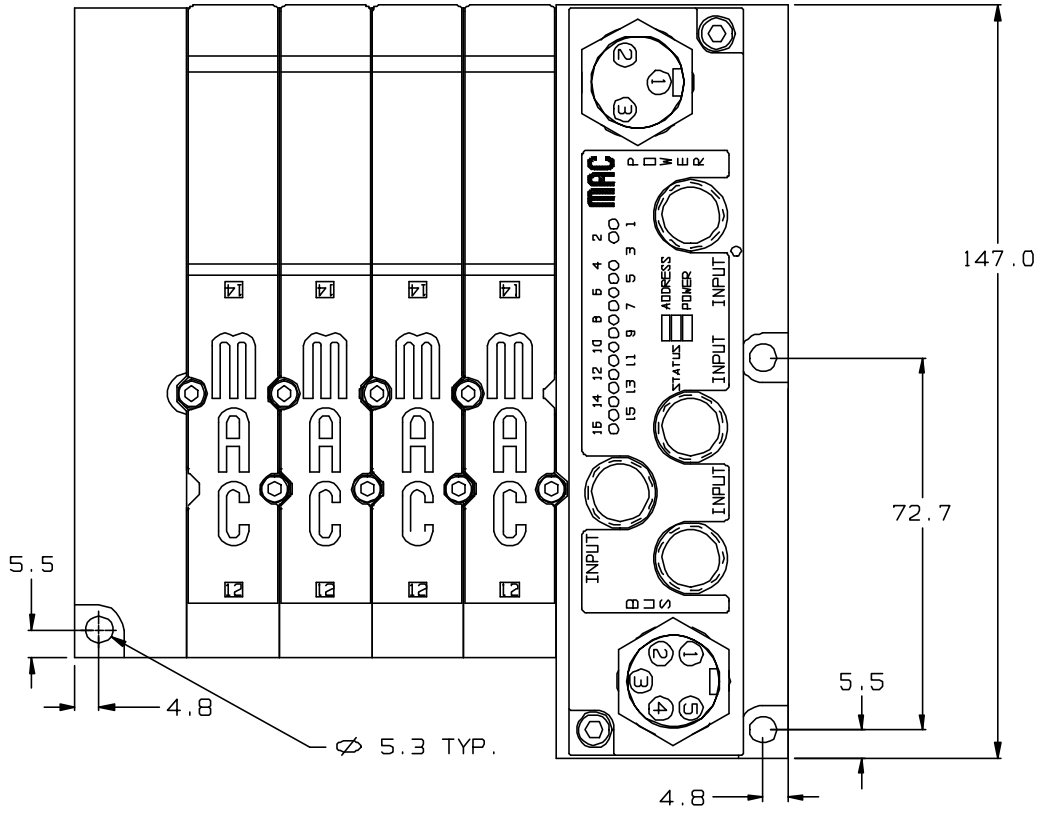


	1/4"	1/8"
A	9.6	9.0
B	23.9	24.5

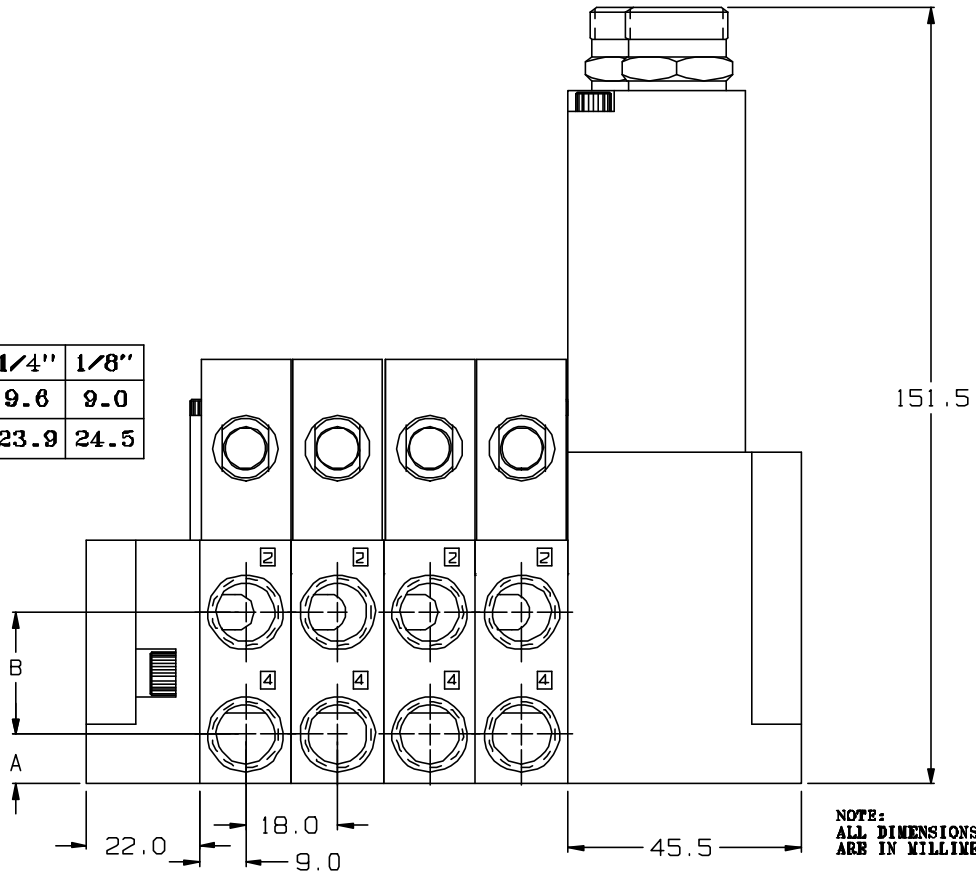


NOTE: ALL DIMENSIONS SHOWN
ARE IN MILLIMETERS

47 SERIES MACONNECT SHOWN WITH SM32 (DEVICENET)



	1/4"	1/8"
A	9.6	9.0
B	23.9	24.5



NOTE:
ALL DIMENSIONS SHOWN
ARE IN MILLIMETERS

47 SERIES MACONNECT TETHERED TO A 47 SERIES MACONNECT STACK

