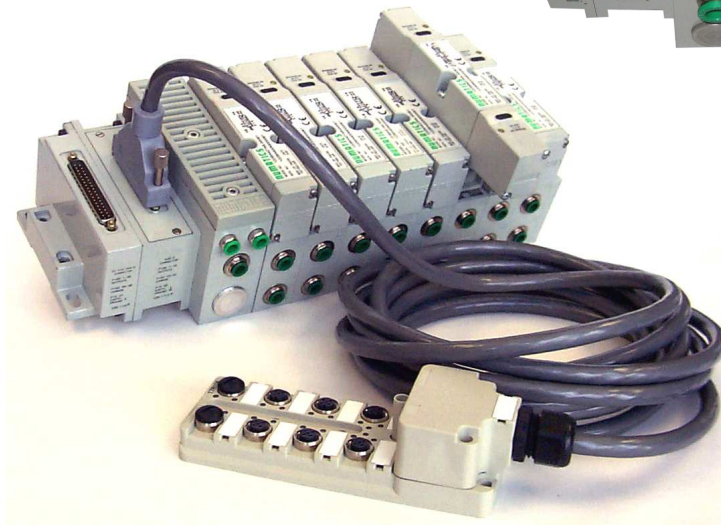




Direct to PLC modules

Numatics' new line of Direct to PLC manifolds with integrated I/O modules, allows a single multi-conductor cable connection to the manifold. This cable can handle the power, the valves and the sensor inputs of the entire manifold. These modules are available with 8mm, 12mm and 25 pin sub-d connectors and will handle up to 15 I/O per manifold assembly. These modules are available with the 2005, 2012, 2035 and ISO series manifolds. These modules utilize the 25 pin sub-d, 37 pin sub-d or 26 pin circular connectors.



Technical Data

Electrical Data

Voltage	24VDC
PLC Input Type	Sourcing (PNP)
PLC Output Type	Sourcing (PNP) and Sinking (NPN)

Operating Data

Temperature Range	23 to 114°F (-5 to 46°C)
Humidity	95% relative humidity: non-condensing
Moisture	Designed to meet Nema 4 / IP 65 requirements
Connectors	Female 8mm, 12mm and 25 pin sub-d

Configuration Data

Maximum Coils	16 per manifold
Maximum I/O	15 per manifold / 8 per module (12mm) , 4 per module (8mm) and 15 per module (25 pin sub-d)



Ordering Information

Ordering Data

I/O Module Part numbers

12mm (micro) connectors

8 I/O per module

239-2507

Singular I/O module

239-2508

Left hand I/O module

239-2509

Right hand I/O module

8mm (pico) connectors

4 I/O per module

239-2503

Singular I/O module

239-2504

Left hand I/O module

239-2505

Right hand I/O module

239-2506

Middle I/O module

25 pin sub-d connector

15 I/O per module

239-2096

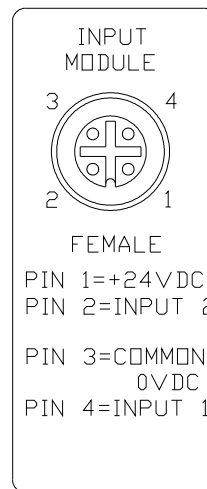
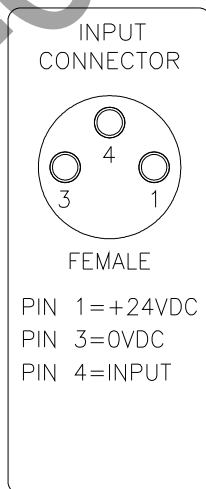
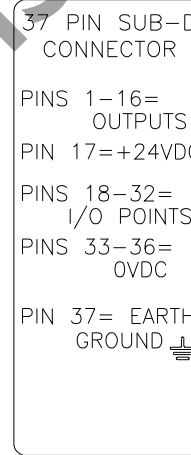
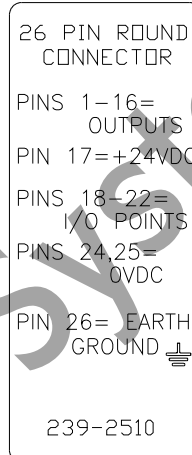
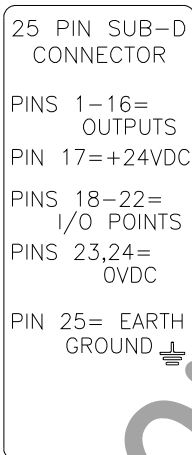
Singular module

Diagnostics

LEDs

(4-8) I/O status and (1) power status LEDs

Pin Out





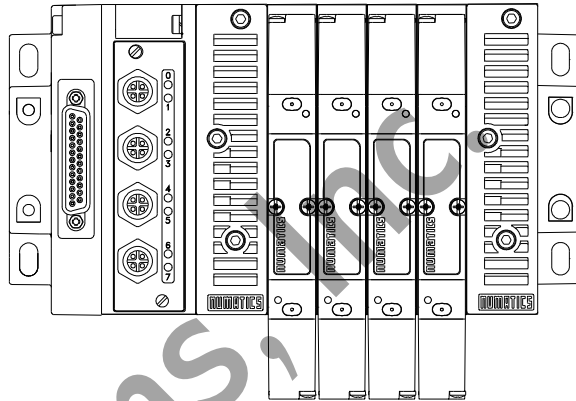
Ordering Options

Manifolds with 25 pin sub-d connector or 26 pin circular connector (maximum of 5 discrete I/O)

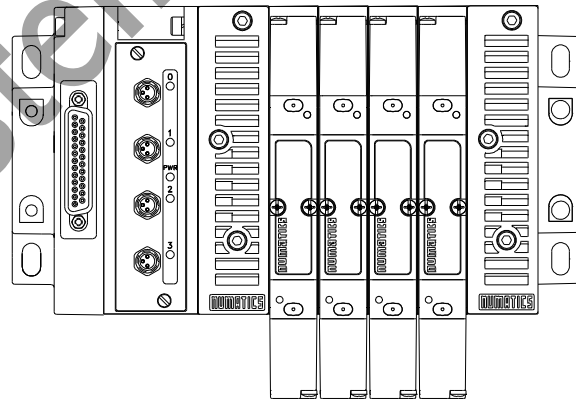
When ordering a manifold with a 26 pin circular connector use the designation of AKD.....

When ordering a manifold with a 25 pin sub-d connector use the designation of AKA.....

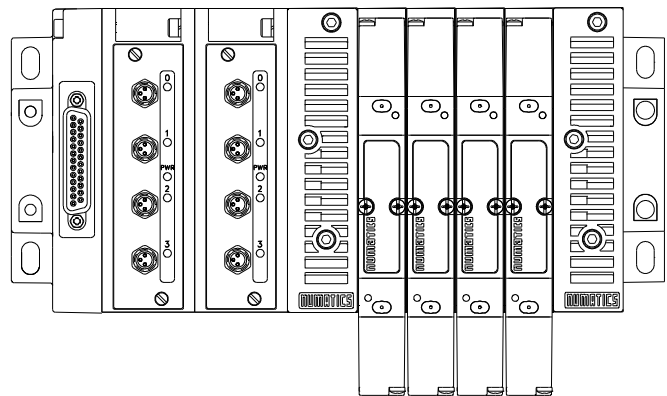
- Option A** AKAED00003NMUF
 239-2507 four 12mm connectors, 5 I/O
 051BB4Z2MN00061
 051BB4Z2MN00061
 051BB4Z2MN00061
 051BB4Z2MN00061
 Assembled



- Option B** AKAED00003NMUF
 239-2503 four 8mm connectors, 4 I/O
 051BB4Z2MN00061
 051BB4Z2MN00061
 051BB4Z2MN00061
 051BB4Z2MN00061
 Assembled



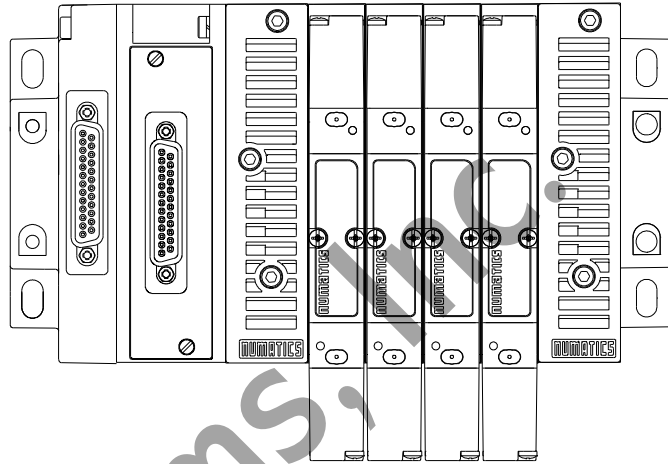
- Option C** AKAED00003NMUF
 239-2503 four 8mm connectors, 4 I/O
 239-2504 four 8mm connectors, 1 I/O
 051BB4Z2MN00061
 051BB4Z2MN00061
 051BB4Z2MN00061
 051BB4Z2MN00061
 Assembled





Manifolds with 25 pin sub-d connector or 26 pin circular connector (maximum of 5 discrete I/O)
When ordering a manifold with a 26 pin circular connector use the designation of AKD.....
When ordering a manifold with a 25 pin sub-d connector use the designation of AKA.....

Option D AKAED00003NMUF
239-2096 25 pin sub-d, 5 I/O
051BB4Z2MN00061
051BB4Z2MN00061
051BB4Z2MN00061
051BB4Z2MN00061
Assembled



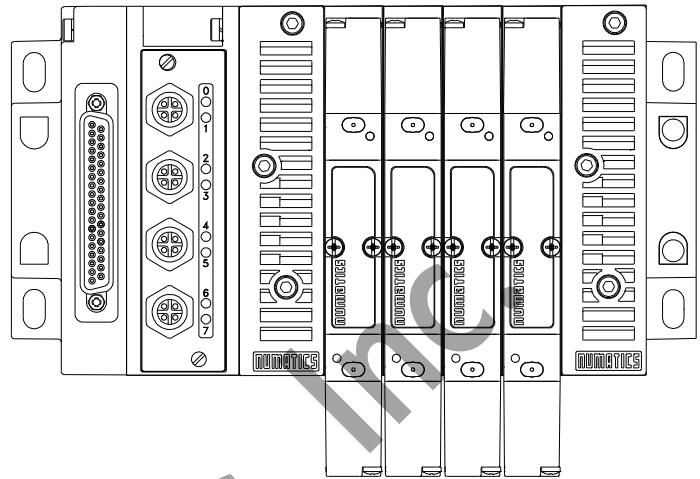
Air-Oil Systems



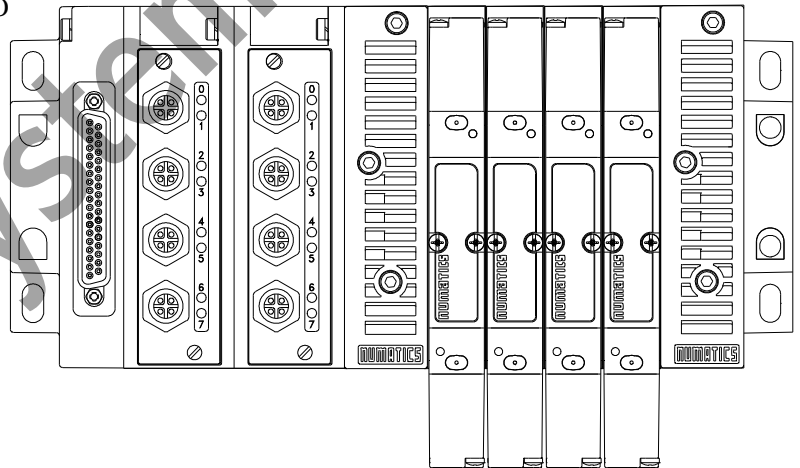
Manifolds with 37 pin sub-d connectors (maximum of 15 discrete I/O)

When ordering a manifold with a 37 pin sub-d connector use the designation of AKB.....

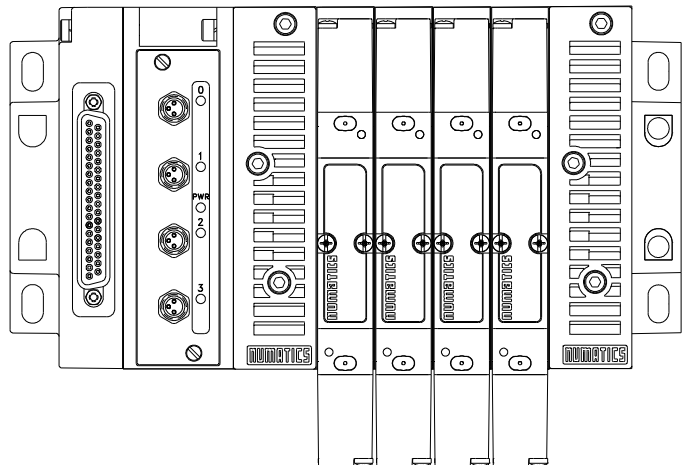
- Option E** AKBED00003NMUF
 239-2505 four 12mm connectors, 8 I/O
 051BB4Z2MN00061
 051BB4Z2MN00061
 051BB4Z2MN00061
 051BB4Z2MN00061
 Assembled



- Option F** AKBED00003NMUF
 239-2508 four 12mm connectors, 8 I/O
 239-2509 four 12mm connectors, 7 I/O
 051BB4Z2MN00061
 051BB4Z2MN00061
 051BB4Z2MN00061
 051BB4Z2MN00061
 Assembled



- Option G** AKBED00003NMUF
 239-2503 four 8mm connectors, 4 I/O
 051BB4Z2MN00061
 051BB4Z2MN00061
 051BB4Z2MN00061
 051BB4Z2MN00061
 Assembled



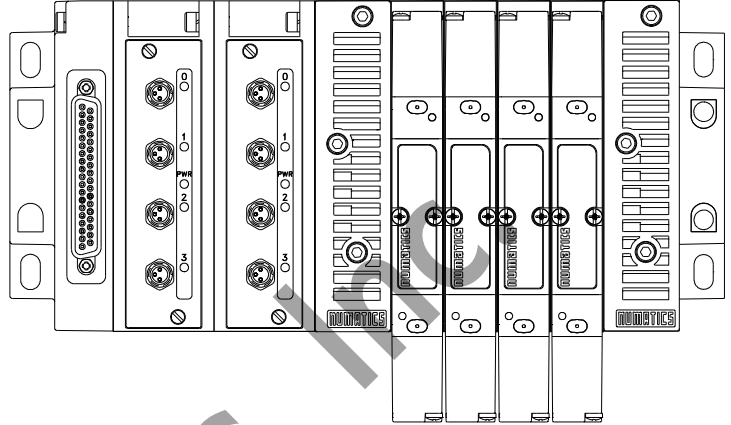


Manifolds with 37 pin sub-d connectors (maximum of 15 discrete I/O)

When ordering a manifold with a 37 pin sub-d connector use the designation of AKB.....

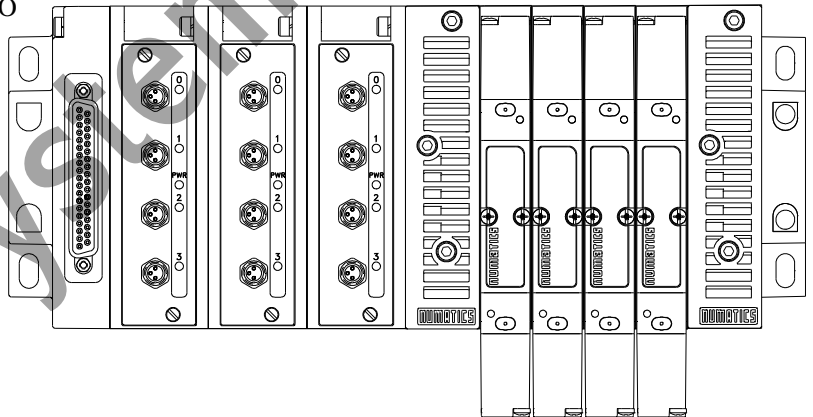
Option H AKBED00003NMUF

- 239-2504 four 8mm connectors, 4 I/O
- 239-2505 four 8mm connectors, 4 I/O
- 051BB4Z2MN00061
- 051BB4Z2MN00061
- 051BB4Z2MN00061
- 051BB4Z2MN00061
- Assembled



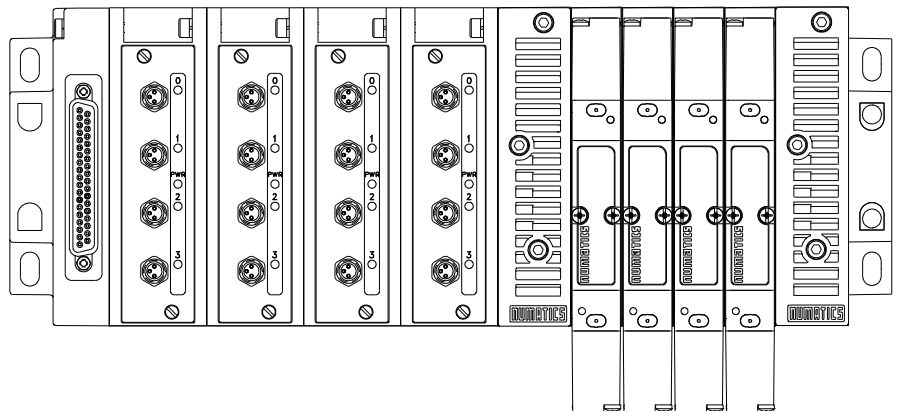
Option I AKBED00003NMUF

- 239-2504 four 8mm connectors, 4 I/O
- 239-2506 four 8mm connectors, 4 I/O
- 239-2505 four 8mm connectors, 4 I/O
- 051BB4Z2MN00061
- 051BB4Z2MN00061
- 051BB4Z2MN00061
- 051BB4Z2MN00061
- Assembled



Option J AKBED00003NMUF

- 239-2504 four 8mm connectors, 4 I/O
- 239-2506 four 8mm connectors, 4 I/O
- 239-2506 four 8mm connectors, 4 I/O
- 239-2505 four 8mm connectors, 3 I/O
- 051BB4Z2MN00061
- 051BB4Z2MN00061
- 051BB4Z2MN00061
- 051BB4Z2MN00061
- Assembled

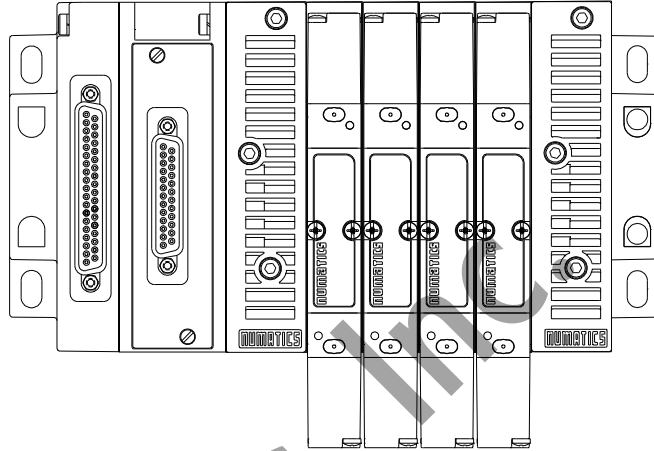




Manifolds with 37 pin sub-d connectors (maximum of 15 discrete I/O)

When ordering a manifold with a 37 pin sub-d connector use the designation of AKB.....

- Option K** AKBED00003NMUF
239-2096 25 pin sub-d, 15 I/O
051BB4Z2MN00061
051BB4Z2MN00061
051BB4Z2MN00061
051BB4Z2MN00061
Assembled



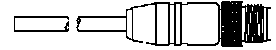
Air-Oil Systems, Inc.



Cable Part Numbers

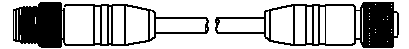
4 Pin Male 12mm Straight Single Ended Cables

2 Meter	TA0402MCE0000000
5 Meter	TA0405MCE0000000



4 Pin Male / Female 12mm Straight Double Ended Cables

1 Meter	TC0401MC0TA04000
2 Meter	TC0402MC0TA04000
5 Meter	TC0405MC0TA04000



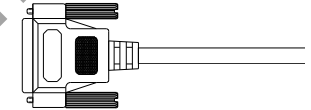
3 Pin Male 8mm Straight Single Ended Cables

2 Meter	PA0302MEE0000000
5 Meter	PA0305MEE0000000



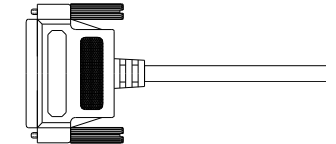
25 Pin Female Sub-D Single Ended Cables

1 Meter	SC2502MCX0000000
2 Meter	SC2505MCX0000000
5 Meter	SC2510MCX0000000



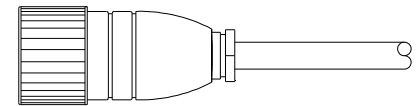
37 Pin Female Sub-D Single Ended Cables

2 Meter	SC3702MCX0000000
5 Meter	SC3705MCX0000000
10 Meter	SC3710MCX0000000



26 Pin Female Circular Single Ended cables

2 Meter	CC2602MB00000000
5 Meter	CC2605MB00000000
10 Meter	CC2610MB00000000



25 Pin Sub-D Distribution Block for Direct to PLC I/O modules with eight 12mm connectors (15 PNP I/O)

2 Meter	DB8ATLDR02MS00
5 Meter	DB8ATLDR05MS00
10 Meter	DB8ATLDR10MS00

