



# Control Distribution Blocks for AVS Series Solenoid Valves



NITRA pneumatic control distribution blocks are a convenient way to connect a bank of valves to a controller. Replace all the wiring connectors supplied with the solenoid valves with this distribution block, and replace a bundle of solenoid cables with one DB15 cable. Each block matches up with a manifold of two to eight stations and includes built-in surge suppression and LED indication.

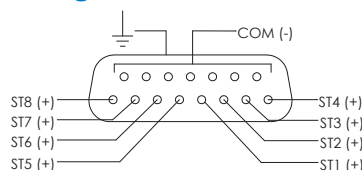
## Features

- Single DB15 wiring connection
- Built-in surge suppression
- LED indication
- IP 65 rating
- 2 to 8 stations
- Use AVPS1-BP or AVPS2-BP plugs for any unused stations
- Mounting hardware and gaskets included
- Made in USA

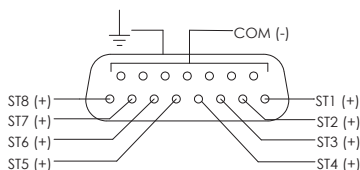


Control Distribution Block Technical Specifications		
Specification	VDC Units	VAC Units
Voltage Range	12-24 VDC	24-120 VAC
Temperature Range	0°F to 120°F (-20°C to 49°C)	
Max. Coil Power	4W	4VA
Electrical Connection	15-Pin D-Sub (DB15) Male	
Circuit Protection	N4004 Diode	MOV
Enclosure Rating	IP 65	
LED Indicator	Yes	
Material	ABS (Acrylonitrile butadiene styrene) Body	

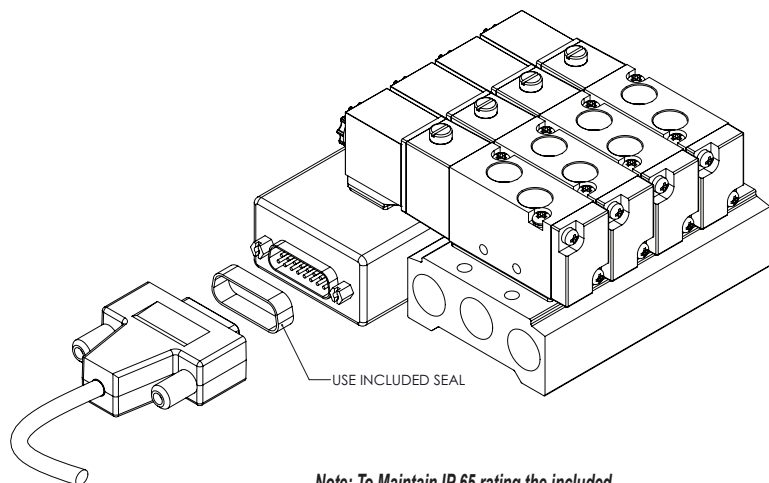
## Wiring



Control Distribution Block Pinout  
AVPS1 Series Distribution Blocks



Control Distribution Block Pinout  
AVPS2 / 3 / 4 Series Distribution Blocks



Note: To Maintain IP 65 rating the included DB15 Connector Seal must be used.



# AVS-31 and AVS-51 Series Control Distribution Blocks

Part No. [AVPS1-6A](#)

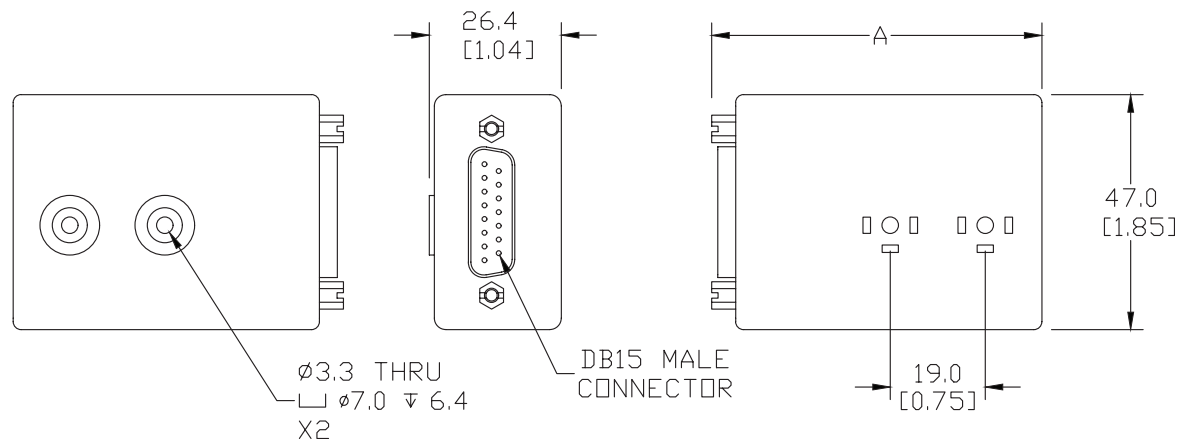
## AVS-31 and AVS-51 Series Control Distribution Blocks

Part No.	Voltage	Stations	Dimension "A" in [mm]	Price	Weight (lbs)
<a href="#">AVPS1-2A</a>	AC	2	2.60 [66.0]	Retired	0.2
<a href="#">AVPS1-2D</a>	DC			Retired	0.2
<a href="#">AVPS1-4A</a>	AC	4	4.09 [104.0]	Retired	0.3
<a href="#">AVPS1-4D</a>	DC			\$113.00	0.3
<a href="#">AVPS1-6A</a>	AC	6	5.59 [142.0]	Retired	0.3
<a href="#">AVPS1-6D</a>	DC			\$169.00	0.3
<a href="#">AVPS1-8A</a>	AC	8	7.09 [180.0]	Retired	0.4
<a href="#">AVPS1-8D</a>	DC			\$263.00	0.4

## Dimensions

mm [inches]

### AVPS1-XX Series



See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.



# AVS-32 and AVS-52 Series Control Distribution Blocks

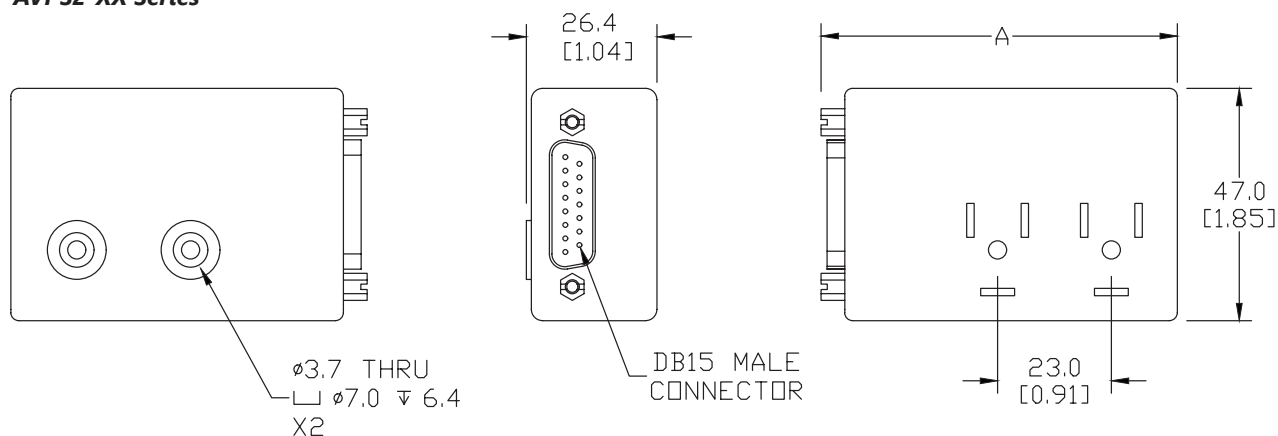
Part No. AVPS2-6A

AVS-32 and AVS-52 Series Control Distribution Blocks					
Part No.	Voltage	Stations	Dimension "A" in [mm]	Price	Weight (lbs)
<u>AVPS2-2A</u>	AC	2	2.84 [72.1]	Retired	0.2
<u>AVPS2-2D</u>	DC			Retired	0.2
<u>AVPS2-4A</u>	AC	4	4.65 [118.1]	Retired	0.3
<u>AVPS2-4D</u>	DC			\$132.00	0.3
<u>AVPS2-6A</u>	AC	6	6.46 [164.1]	Retired	0.3
<u>AVPS2-6D</u>	DC			\$197.00	0.3
<u>AVPS2-8D</u>	DC	8	8.27 [210.1]	\$263.00	0.4

## Dimensions

mm [inches]

### AVPS2-XX Series



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# AVS-33 and AVS-53 Series Control Distribution Blocks

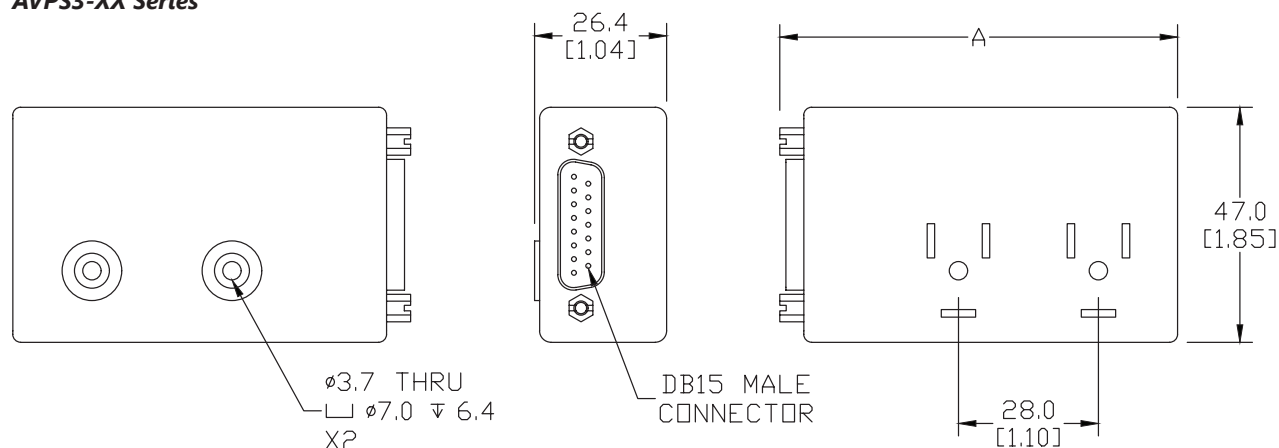


AVS-33 and AVS-53 Series Control Distribution Blocks					
Part No.	Voltage	Stations	Dimension "A" in [mm]	Price	Weight (lbs)
<a href="#"><u>AVPS3-2A</u></a>	AC	2	3.13 [79.5]	Retired	0.2
<a href="#"><u>AVPS3-2D</u></a>	DC			Retired	0.2
<a href="#"><u>AVPS3-4A</u></a>	AC	4	5.33 [135.5]	Retired	0.3
<a href="#"><u>AVPS3-4D</u></a>	DC			\$132.00	0.3
<a href="#"><u>AVPS3-6D</u></a>	DC	6	7.54 [191.5]	\$197.00	0.3
<a href="#"><u>AVPS3-8A</u></a>	AC	8	9.74 [247.5]	Retired	0.4
<a href="#"><u>AVPS3-8D</u></a>	DC			\$263.00	0.4

## Dimensions

mm [inches]

### AVPS3-XX Series



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# AVS-54 Series Control Distribution Blocks

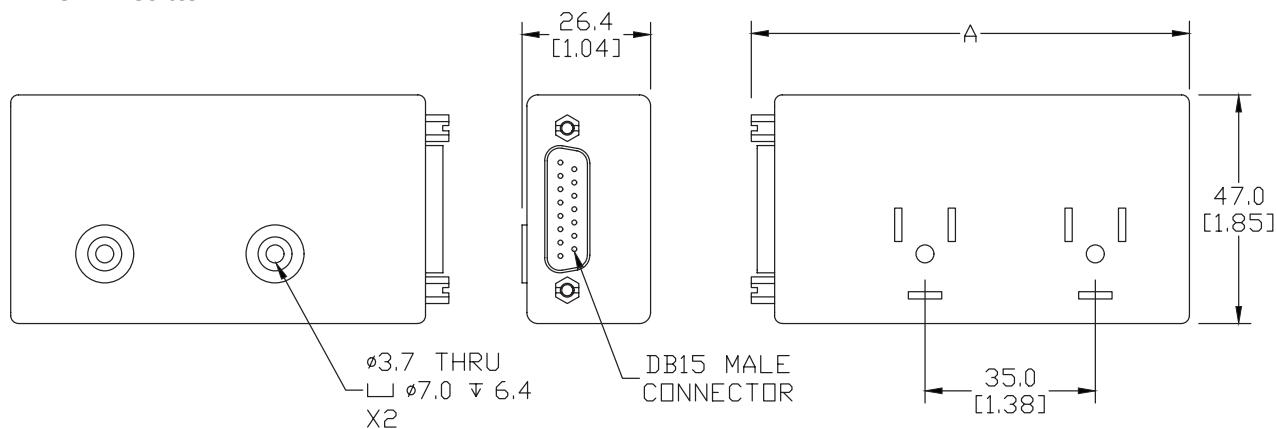
Part No. [AVPS4-6A](#)

AVS-54 Series Control Distribution Blocks					
Part No.	Voltage	Stations	Dimension "A" in [mm]	Price	Weight (lbs)
<a href="#">AVPS4-2A</a>	AC	2	3.54 [90.0]	Retired	0.2
<a href="#">AVPS4-2D</a>	DC			Retired	0.2
<a href="#">AVPS4-4A</a>	AC	4	6.30 [160.0]	Retired	0.3
<a href="#">AVPS4-4D</a>	DC			Retired	0.3
<a href="#">AVPS4-6A</a>	AC	6	9.06 [230.0]	Retired	0.3
<a href="#">AVPS4-6D</a>	DC			Retired	0.3
<a href="#">AVPS4-8A</a>	AC	8	11.81 [300.0]	Retired	0.4
<a href="#">AVPS4-8D</a>	DC			Retired	0.4

## Dimensions

mm [inches]

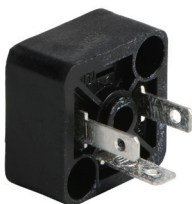
### AVPS4-XX Series



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# AVPS Series Control Distribution Blocks Accessories

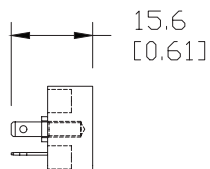
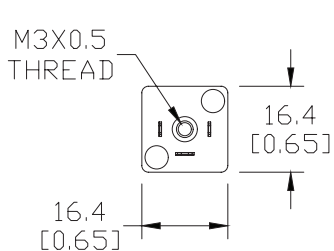
Part No. [AVPS1-BP](#)Part No. [AVPS2-BP](#)

AVPS Series Control Distribution Blocks Accessories			
Part No.	Description	Price	Weight (lbs)
<a href="#"><u>AVPS1-BP</u></a>	NITRA blanking plug, for use with AVPS1-x control distribution blocks.	\$18.50	0.2
<a href="#"><u>AVPS2-BP</u></a>	NITRA blanking plug, for use with AVPS2-x, AVPS3-x and AVPS4-x control distribution blocks.	\$18.50	0.3

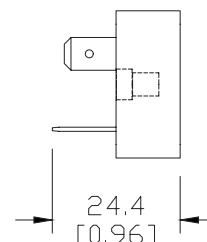
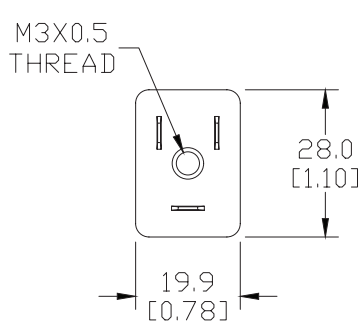
## Dimensions

mm [inches]

### [AVPS1-BP](#)



### [AVPS2-BP](#)



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