

## AVENTICS 501 SERIES DIRECTIONAL CONTROL VALVES

BASE PORTED SOLENOID PILOT VALVES WITH CIRCUIT BOARD TECHNOLOGY



### SPECIFICATIONS

\*PLEASE CONSULT THE CATALOG FOR MORE INFORMATION

<b>RATED FLOW (CV): 0.41-0.47</b>	<b>FUNCTIONS: 5/2, 5/3 &amp; DUAL 3 WAY</b>
<b>AVAILABLE VOLTAGE(S): 24 VDC</b>	<b>SPOOL TYPE: RUBBER PACKED</b>
<b>OPERATING PRESSURE (PSI): 28-115*</b>	<b>PILOT PRESSURE (PSI): 0.09 (MIN) -115 (MAX)*</b>
<b>TEMPERATURE RANGE: -14-122° F</b>	<b>POWER (WATTS): 0.8</b>
<b>ELECTRICAL CONNECTIONS: G3 &amp; 580 FIELD-BUS, 25 PIN SUB-D, 37 PIN SUB-D, 19 PIN M23, 26 PIN M27, 1-32 PIN TERMINAL STRIP &amp; ROBOT END EFFECTOR INTERFACE</b>	<b>HOLDING CURRENT (AMPS): 0.025</b>
	<b>PORT SIZES/TYPES (MANIFOLD BLOCKS): 1/4" OD TUBE, 6MM OD TUBE, 5/32/4MM OD TUBE &amp; M7</b>



### AVENTICS 501 SERIES VALVES - 24 VDC, FLUSH NON-LOCKING OVERRIDE & BLANK PLATE

#### DESCRIPTION

#### RUBBER PACKED SPOOL - BASE PLUG-IN

5/2 SPRING RETURN

R501A2B10MA00F1

5/2 DETENT

R501A2B40MA00F1

5/3 OPEN CENTER

R501A2B50MA00F1

5/3 CLOSED CENTER

R501A2B60MA00F1

5/3 PRESSURE CENTER

R501A2B70MA00F1

DUAL 3 WAY NC

R501A2BD0MA00F1

BLANK PLATE

P501AB429685001



### AVENTICS 501 SERIES SANDWICH REGULATORS - 10-130 PSI & SANDWICH SPEED CONTROL

#### DESCRIPTION

#### PROPRIETARY

SINGLE PRESSURE  
REGULATOR

R501ARS51JA0010

SINGLE PRESSURE  
REGULATOR (GAUGE IN  
OFFSET PORT)

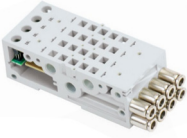

R501ARS51J18V10

SANDWICH SPEED  
CONTROL

R501AS428500001

\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*

\*PART NUMBERS IN BLACK ARE NORMALLY STOCK AT FLOTRONICS. PART NUMBERS IN GRAY NORMALLY HAVE 3-5 DAY LEAD TIME\*

AVENTICS 501 SERIES MANIFOLD BLOCKS		
PORT SIZE/TYPE	3 STATION	4 STATION
  	WITH DOUBLE Z-BOARD - FOR DOUBLE OR SINGLE SOLENOID PLUG-IN VALVES	
	K501AMM32MA0010	K501AMM42MA0010
	WITH SINGLE Z-BOARD - FOR SINGLE SOLENOID PLUG-IN VALVES	
	K501AMS32MA0010	K501AMS42MA0010

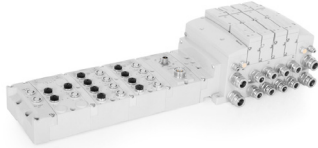
AVENTICS 501 SERIES END PLATE KITS (INCLUDES LEFT AND RIGHT END PLATE AND MOUNTING SCREWS)		
PORT SIZE/TYPE	WITH BUILT-IN MUFFLERS	WITHOUT BUILT-IN MUFFLERS
1/8" NPT	8501AK429465005	8501AK429465001
5/16" (8MM) OD TUBE	K501AK429465012	K501AK429465004

AVENTICS 501 SERIES MANIFOLD BLOCK AND END PLATE ACCESSORIES	
DESCRIPTION	PART NUMBER
BLOCKING DISC (PORT 1)	P501AD431915001
BLOCKING DISC (PORT 3)	P501AD431915002
BLOCKING DISC (PORT 5)	P501AD431915003
END PLATE DIN RAIL KIT	239-980

\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*  
\*PART NUMBERS IN BLACK ARE NORMALLY STOCK AT FLOTRONICS. PART NUMBERS IN GRAY NORMALLY HAVE 5-10 DAY LEAD TIME\*

## AVENTICS 503 SERIES DIRECTIONAL CONTROL VALVES

BASE PORTED SOLENOID PILOT VALVES WITH CIRCUIT BOARD TECHNOLOGY



### SPECIFICATIONS

\*PLEASE CONSULT THE CATALOG FOR MORE INFORMATION

RATED FLOW (CV): 1.2-1.4	FUNCTIONS: 5/2, 5/3 & DUAL 3 WAY
AVAILABLE VOLTAGE(S): 24 VDC	SPOOL TYPES: SPOOL AND SLEEVE & RUBBER PACKED
OPERATING PRESSURE (PSI): 28-115*	PILOT PRESSURE (PSI): .29 (MIN) -115 (MAX)*
TEMPERATURE RANGE: -14-122° F	POWER (WATTS): 1.7
ELECTRICAL CONNECTIONS: G3 & 580 FIELD BUS, 25 PIN SUB-D, 37 PIN SUB-D, 19 PIN M23, 26 PIN M27, & 1-32 PIN TERMINAL STRIP	HOLDING CURRENT (AMPS): 0.071
	PORT SIZES/TYPES (MANIFOLD BLOCKS): NPT THREAD (1/4"), G THREAD (1/4"), PUSH-IN TUBE/O.D. (1/4", 3/8", 8MM & 10MM)



### AVENTICS 503 SERIES VALVES - 24 VDC - FLUSH NON-LOCKING OVERRIDE & BLANK PLATE



DESCRIPTION	SPOOL & SLEEVE		RUBBER PACKED SPOOL	
	BASE PLUG-IN	4 PIN M12 MALE CONN.	BASE PLUG-IN	4 PIN M12 MALE CONN.
5/2 SPRING RETURN	R503A1B10MA00F1	R503A1B10NA00F1	R503A2B10MA00F1	R503A2B10NA00F1
5/2 DETENT	R503A1B40MA00F1	R503A1B40NA00F1	R503A2B40MA00F1	R503A2B40NA00F1
5/3 OPEN CENTER	R503A1B50MA00F1	R503A1B50NA00F1	R503A2B50MA00F1	R503A2B50NA00F1
5/3 CLOSED CENTER	R503A1B60MA00F1	R503A1B60NA00F1	R503A2B60MA00F1	R503A2B60NA00F1
5/3 PRESSURE CENTER	R503A1B70MA00F1	X	R503A2B70MA00F1	R503A2B70NA00F1
DUAL 3 WAY NC	X	X	R503A2BD0MA00F1	R503A2BD0NA00F1
BLANK PLATE	P503AB428359001			



### AVENTICS 503 SERIES SANDWICH REGULATORS - 10-130 PSI & SANDWICH SPEED CONTROL



DESCRIPTION	FOOTPRINT		
	PROPRIETARY	ISO 15407-2	ISO 15407-1
SINGLE PRESSURE REGULATOR	R503ARS11JA0010	R503ARS11JA0020	R503ARS11OA0030
DOUBLE PRESSURE REGULATOR	R503ARD11JA0010	R503ARD11JA0020	R503ARD11OA0030
SANDWICH SPEED CONTROL	R503AS425575002	R503AS425575001	R503AS432940001





### AVENTICS 503 SERIES 2 STATION MANIFOLD BLOCKS

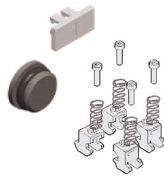




PORT SIZE/TYPE	FOOTPRINT		
	PROPRIETARY	ISO 15407-2	ISO 15407-1
WITH DOUBLE Z-BOARD - FOR DOUBLE OR SINGLE SOLENOID PLUG-IN VALVES			
1/4" NPT	8503AMM22MA0010	8503AMM22MA0020	X
1/4" G	X	G503AMM22MA0020	X
WITH SINGLE Z-BOARD - FOR SINGLE SOLENOID PLUG-IN VALVES			
1/4" NPT	8503AMS22MA0010	8503AMS22MA0020	X
1/4" G	G503AMS22MA0010	G503AMS22MA0020	X
NO ELECTRONICS - FOR DOUBLE OR SINGLE SOLENOID VALVES WITH M12 CONNECTOR			
1/4" NPT	8503AMV220A0010	8503AMV220A0020	8503AMV220A0030
1/4" G	G503AMV220A0010	G503AMV220A0020	G503AMV220A0030



\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*

\*PART NUMBERS IN BLACK ARE NORMALLY STOCK AT FLOTRONICS. PART NUMBERS IN GRAY NORMALLY HAVE 5-10 DAY LEAD TIME\*



	AVENTICS 503 SERIES 2 STATION AUXILIARY MANIFOLD BLOCKS W/ M12 MALE CONNECTOR IN STATION 1			
	PORT SIZE/TYPE	FOOTPRINT		
		PROPRIETARY	ISO 15407-2	ISO 15407-1
	WITH DOUBLE Z-BOARD - FOR DOUBLE OR SINGLE SOLENOID PLUG-IN VALVES			
	1/4" NPT	8503AMM22VA0010	8503AMM22VA0020	8503AMM22VA0030
	1/4" G	G503AMM22VA0010	G503AMM22VA0020	G503AMM22VA0030








	AVENTICS 503 SERIES MANIFOLD BLOCK AND END PLATE ACCESSORIES			
	DESCRIPTION	PART NUMBER		
	BLOCKING DISC (PORT 1)	P503AD431191001		
	BLOCKING DISC (PORT 3)	P503A431191002		
	BLOCKING DISC (PORT 5)	P503A431191003		
	END PLATE DIN RAIL KIT	239-980		

	AVENTICS 503 SERIES END PLATE KITS (INCLUDES LEFT AND RIGHT END PLATE AND MOUNTING SCREWS)			
	PORT SIZE/TYPE	WITH BUILT-IN MUFFLERS (FOR MANIFOLDS WITH Z-BOARDS)	WITHOUT BUILT-IN MUFFLERS (FOR MANIFOLDS WITH Z-BOARDS)	NO ELECTRONICS (FOR MANIFOLDS WITH NO ELECTRONICS)
	3/8" NPT	8503AK428327007	8503AK428327001	8503AK428304001
	3/8" G	G503AK428327013	G503AK428327019	G503AK428304004

	AVENTICS 503 SERIES SINGLE STATION BASE W/ M12 MALE CONNECTOR - SIDE PORTS ONLY			
	PORT SIZE/TYPE	FOOTPRINT		
		PROPRIETARY	ISO 15407-2	ISO 15407-1
	3/8" NPT	X	8503AA3A3M56Y20	X
3/8" G	X	G503AA3A3M56Y20	X	

\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*  
\*PART NUMBERS IN BLACK ARE NORMALLY STOCK AT FLOTRONICS. PART NUMBERS IN GRAY NORMALLY HAVE 5-10 DAY LEAD TIME\*

	AVENTICS 503 SERIES SINGLE STATION BASE W/ TERMINAL STRIP - SIDE PORTS ONLY			
	PORT SIZE/TYPE	FOOTPRINT		
PROPRIETARY		ISO 15407-2	ISO 15407-1	
	WITH DOUBLE Z-BOARD - FOR DOUBLE OR SINGLE SOLENOID PLUG-IN VALVES			
	3/8" NPT	X	8503AA3A3MA0020	X
	3/8" G	X	G503AA3A3MA0020	X

	AVENTICS 501 & 503 SERIES ELECTRICAL END PLATE CONNECTIONS & ELECTRICAL COMMUNICATION MODULES	
	DESCRIPTION	PART NUMBER
	CABLE AND TERMINAL STRIP CONNECTIONS	
	25 PIN SUB-D CONNECTOR	P599AE428441001
	1-32 TERMINAL STRIP KIT	P599AE428444001
	19 PIN ROUND CONNECTOR	P599AE428436001
	AVENTICS G3 & 580 FIELDBUS ELECTRONICS	
	G3 VALVE DRIVER (REQUIRED FOR G3 ELECTRONICS)	P599AE508827001
	*PLEASE SEE G3 ELECTRONICS SECTION FOR COMPLETE LIST OF G3 FLOTRONICS NOW ITEMS	
	580 SERIES ETHERNET/IP DLR NODE	P580AEED1010A00
	I/O LINK 4 PIN M12	P580AELM1010A00

\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*  
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## AVENTICS 2012 SERIES DIRECTIONAL CONTROL VALVES

BASE PORTED SOLENOID PILOT VALVES WITH CIRCUIT BOARD TECHNOLOGY



### SPECIFICATIONS

\*PLEASE CONSULT THE CATALOG FOR MORE INFORMATION

RATED FLOW (CV): 1.2	FUNCTIONS: 5/2 & 5/3
AVAILABLE VOLTAGE(S): 24 VDC	SPOOL TYPE(S): SPOOL AND SLEEVE
OPERATING PRESSURE: 28" HG (VAC)-150 PSI	PILOT PRESSURE (PSI): 26 (MIN) -120 (MAX)
TEMPERATURE RANGE: -10-115° F	POWER (WATTS): 2.5 (FOR 24 VDC VERSIONS)
ELECTRICAL CONNECTIONS: G3 & FIELDBUS, 25 PIN SUB-D, 37 PIN SUB-D, 19 PIN M23, 26 PIN M27, & 1-32 PIN TERMINAL STRIP	HOLDING CURRENT (AMPS): 0.10 (FOR 24 VDC VERSIONS)
	PORT SIZES/TYPES (MANIFOLD BLOCKS): 1/4" & 3/8" NPT. BASES: 1/4" & 3/8" NPT

### AVENTICS 2012 SERIES VALVES - 24 VDC - FLUSH NON-LOCKING OVERRIDE & BLANK PLATE

	DESCRIPTION	VOLTAGE	SPOOL & SLEEVE - BASE PLUG-IN
	5/2 SPRING RETURN	24VDC	122BA400M000061
	5/2 DETENT		122BB400M000061
	5/3 OPEN CENTER		122BB500M000061
	5/3 CLOSED CENTER		122BB600M000061
	5/3 PRESSURE CENTER		122BB700M000061
	BLANK PLATE		239-1390





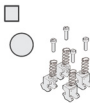





### AVENTICS 2012 SERIES SANDWICH REGULATORS & SANDWICH SPEED CONTROL

	DESCRIPTION	PART NUMBER
	SINGLE PRESSURE REGULATOR 10-130 PSI	122RS100J000000
	SINGLE PRESSURE REGULATOR 5-60 PSI	122RS400J000000
	DUAL PRESSURE REGULATOR 10-130 PSI	122RD100J000000
	DUAL PRESSURE REGULATOR W/ RELIEF CHECKS 10-130 PSI	122RQ100J000000
	SANDWICH SPEED CONTROL	239-1260

\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*

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	AVENTICS 2012 SERIES MANIFOLD BLOCKS		
	PORT SIZE/TYPE	PART NUMBER	
	WITH DOUBLE Z-BOARD - FOR DOUBLE OR SINGLE SOLENOID VALVES		
	1/4" NPT	206-1280	
	3/8" NPT	206-1279	
	WITH SINGLE Z-BOARD - FOR SINGLE SOLENOID VALVES		
	1/4" NPT	206-1272	
	3/8" NPT	206-1271	
	WITH DOUBLE Z-BOARD & RIBBON CABLE - FOR DOUBLE OR SINGLE SOLENOID VALVES		
	1/4" NPT	206-1284	
	3/8" NPT	206-1283	
	AVENTICS 2012 SERIES END PLATE KITS (INCLUDES LEFT AND RIGHT END PLATE AND MOUNTING SCREWS)		
	PORT SIZE/TYPE	WITH BUILT-IN MUFFLERS (FOR MANIFOLDS WITH Z-BOARDS)	WITHOUT BUILT-IN MUFFLERS (FOR MANIFOLDS WITH Z-BOARDS)
	1/2" NPT	239-1234	239-1236
	AVENTICS 2012 SERIES MANIFOLD BLOCK AND END PLATE ACCESSORIES		
	DESCRIPTION	PART NUMBER	
	BLOCKING DISC (PORT 1)	124-341	
	BLOCKING DISC (PORT 3 OR 5)	239-907	
	END PLATE DIN RAIL KIT	239-980	
	AVENTICS 2012 SERIES SINGLE STATION BASE W/ M12 MALE CONNECTOR - SIDE PORTS ONLY		
	PORT SIZE/TYPE	PART NUMBER	
	3/8" NPT	203-1179	
	AVENTICS 2012 SERIES SINGLE STATION BASE W/ TERMINAL STRIP - SIDE PORTS ONLY		
	PORT SIZE/TYPE	PART NUMBER	
	1/4" NPT	203-1101	
	3/8" NPT	203-1101	
*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO*			
*PART NUMBERS IN BLACK ARE NORMALLY STOCK AT FLOTRONICS. PART NUMBERS IN GRAY NORMALLY STOCK AT FACTORY (3-5 BUS DAYS)*			

## AVENTICS 2035 SERIES DIRECTIONAL CONTROL VALVES

BASE PORTED SOLENOID PILOT VALVES WITH CIRCUIT BOARD TECHNOLOGY



### SPECIFICATIONS

\*PLEASE CONSULT THE CATALOG FOR MORE INFORMATION

RATED FLOW (CV): 3.5	FUNCTIONS: 5/2 & 5/3
AVAILABLE VOLTAGE(S): 24 VDC	SPOOL TYPE: SPOOL AND SLEEVE
OPERATING PRESSURE: 28" HG (VAC)-145 PSI	PILOT PRESSURE (PSI): 26 (MIN) -120 (MAX)
TEMPERATURE RANGE: -10-115° F	POWER (WATTS): 2.5 (FOR 24 VDC VERSIONS)
ELECTRICAL CONNECTIONS: G3 & FIELDBUS, 25 PIN SUB-D, 37 PIN SUB-D, 19 PIN M23, 26 PIN M27, & 1-32 PIN TERMINAL STRIP	HOLDING CURRENT (AMPS): 0.10 (FOR 24 VDC VERSIONS)
	PORT SIZES/TYPES: (MANIFOLD BLOCKS): 3/8" & 1/2" NPT. BASES: 1/2" NPT



### AVENTICS 2035 SERIES VALVES - 24 VDC - FLUSH NON-LOCKING OVERRIDE & BLANK PLATE



DESCRIPTION	VOLTAGE	SPOOL & SLEEVE - BASE PLUG-IN
5/2 SPRING RETURN	24VDC	353BA400M000061
5/2 DETENT		353BB400M000061
5/3 OPEN CENTER		353BB500M000061
5/3 CLOSED CENTER		353BB600M000061
BLANK PLATE		239-2218



### AVENTICS 2035 SERIES SANDWICH REGULATORS & SANDWICH SPEED CONTROL



DESCRIPTION	PART NUMBER
SINGLE PRESSURE REGULATOR 10-130 PSI	353RS100J000000
SINGLE PRESSURE REGULATOR 5-60 PSI	353RS400J000000
DUAL PRESSURE REGULATOR 10-130 PSI	353RD100J000000



### AVENTICS 2035 SERIES MANIFOLD BLOCKS




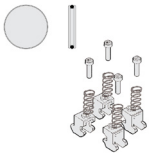

PORT SIZE/TYPE	PART NUMBER
WITH DOUBLE Z-BOARD - FOR DOUBLE OR SINGLE SOLENOID VALVES	
3/8" NPT	206-1613
1/2" NPT	206-1612
WITH SINGLE Z-BOARD - FOR SINGLE SOLENOID VALVES	
3/8" NPT	206-1609
1/2" NPT	206-1608
WITH DOUBLE Z-BOARD & RIBBON CABLE - FOR DOUBLE OR SINGLE SOLENOID VALVES	
3/8" NPT	206-1617
1/2" NPT	206-1616

\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*



\*PART NUMBERS IN BLACK ARE NORMALLY STOCK AT FLOTRONICS. PART NUMBERS IN GRAY NORMALLY STOCK AT FACTORY (3-5 BUS DAYS)\*



	AVENTICS 2035 SERIES END PLATE KITS (INCLUDES LEFT AND RIGHT END PLATE AND MOUNTING SCREWS)		
	PORT SIZE/TYPE	WITH BUILT-IN MUFFLERS (FOR MANIFOLDS WITH Z-BOARDS)	WITHOUT BUILT-IN MUFFLERS (FOR MANIFOLDS WITH Z-BOARDS)
	1/2" NPT	239-2205	239-2206

	AVENTICS 2035 SERIES MANIFOLD BLOCK AND END PLATE ACCESSORIES	
	DESCRIPTION	PART NUMBER
	BLOCKING DISC (PORT 1, 3 OR 5)	124-341
	END PLATE DIN RAIL KIT	239-980

	AVENTICS 2035 SERIES SINGLE STATION BASE W/ M12 MALE CONNECTOR - SIDE PORTS ONLY	
	PORT SIZE/TYPE	PART NUMBER
	1/2" NPT	203-1304

	AVENTICS 2035 SERIES SINGLE STATION BASE W/ TERMINAL STRIP - SIDE PORTS ONLY	
	PORT SIZE/TYPE	PART NUMBER
	1/2" NPT	203-1283

	AVENTICS 2035 SERIES SINGLE STATION BASE W/ TERMINAL STRIP - SIDE & BOTTOM PORTS	
	PORT SIZE/TYPE	PART NUMBER
	1/2" NPT	203-1284

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AVENTICS 2012 & 2035 SERIES ELECTRICAL END PLATE CONNECTIONS & ELECTRICAL COMMUNICATION MODULES		
	DESCRIPTION	PART NUMBER
CABLE AND TERMINAL STRIP CONNECTIONS		
	25 PIN SUB-D CONNECTOR & HOUSING	239-1174
	TERMINAL STRIP 1-16 PIN & HOUSING W/END CAP	239-1229
	12 PIN ROUND CONNECTOR & HOUSING	239-2115
	26 PIN ROUND CONNECTOR & HOUSING	239-1184
AVENTICS G3 FIELDBUS ELECTRONICS		
	G3 VALVE DRIVER (REQUIRED FOR G3 ELECTRONICS)	219-828
*PLEASE SEE G3 ELECTRONICS SECTION FOR COMPLETE LIST OF G3 FLOTRONICS NOW ITEMS		

\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*

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## AVENTICS G3 SERIES FIELDBUS ELECTRONICS



### SPECIFICATIONS

\*PLEASE CONSULT THE CATALOG FOR MORE INFORMATION

AVAILABLE PROTOCOLS: ETHERNET I/P,  
PROFIBUS, PROFINET, & SUB-BUS

COMPATIBLE VALVE SERIES: 501 SERIES, 503 SERIES,  
2012 SERIES & 2035 SERIES

NODE POWER: 24 VDC +/- 10%

TEMPERATURE RANGE: -4-122° F

MOISTURE PROTECTION: IP65, IP67 (WITH APPROPRIATE ASSEMBLY AND TERMINATION)



### AVENTICS G3 FIELDBUS COMMUNICATION MODULES

#### DESCRIPTION

#### PART NUMBER



G3 ETHERNET/IP DLR NODE

240-325



G3 ETHERNET/IP NODE  
(FORD) (EF1)

240-364



G3 PROFIBUS-DP NODE

240-239



G3 PROFINET NODE

240-240



8 INPUTS PNP DIGITAL  
5 PIN MICRO CONN

240-206



16 INPUTS PNP DIGITAL  
5 PIN MICRO CONN

240-205

\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*

\*PART NUMBERS IN BLACK ARE NORMALLY STOCK AT FLOTRONICS. PART NUMBERS IN GRAY NORMALLY STOCK AT FACTORY (3-5 BUS DAYS)\*

	AVENTICS G3 FIELDBUS COMMUNICATION MODULES (CONTINUED)	
	DESCRIPTION	PART NUMBER
	16 OUTPUTS PNP DIGITAL 5 PIN MICRO CONN	240-207
	8 IN/8 OUTPUTS PNP DIGITAL 5 PIN MICRO CONN	240-211
	4 INPUTS ANALOG 0-10VDC 5 PIN MICRO CONN	240-212
	4 INPUTS ANALOG 4-20MA 5 PIN MICRO CONN	240-214
	SUB-BUS MODULE	240-241

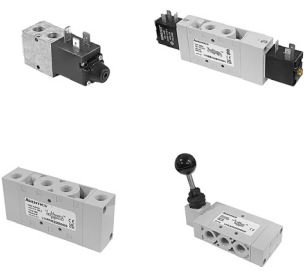
\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*  
\*PART NUMBERS IN BLACK ARE NORMALLY STOCK AT FLOTRONICS. PART NUMBERS IN RED NORMALLY STOCK AT FACTORY (3-5 BUS DAYS)\*






	AVENTICS G3 FIELDBUS COMMUNICATION MODULES (CONTINUED)	
	DESCRIPTION	PART NUMBER
	SUB-BUS OUT MODULE	240-183
	SUB-BUS IN MODULE	240-185
	SUB-BUS OUT HUB	240-326
	AUTO RECOVERY MODULE (ARM MODULE)	240-383
	TERMINATOR	240-184
	JUMPER CLIP	240-179
	RIGHT HAND MOUNTING COVER	240-255



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## AVENTICS L01, L1 & L2 SERIES DIRECTIONAL CONTROL VALVES

BODY PORTED SOLENOID PILOT, DIRECT SOLENOID, AIR PILOT AND HAND LEVER VALVES

	SPECIFICATIONS	
	*PLEASE CONSULT THE CATALOG FOR MORE INFORMATION	
	RATED FLOW (CV): L01: 0.20, L1: 1 & L2: 1.7	FUNCTIONS: L01: 4/2, L1 & L2: 5/2 & 5/3
	AVAILABLE VOLTAGE(S): ALL SERIES: 24 VDC & 120 VAC	SPOOL TYPE: SPOOL AND SLEEVE
	OPERATING PRESSURE: ALL SERIES: 28" HG (VAC)-150 PSI,	PILOT PRESSURE (PSI): L1 & L2: 14.5 (MIN) - 150 (MAX)
	TEMPERATURE RANGE (AMBIENT): L01, L1 & L2 (SOL PILOT): -10-115° F L1 & L2 (AIR PILOT & HAND LEVER): -10-150° F	POWER (WATTS): L01: 6.0 FOR 24 VDC VERSIONS & 4.1 FOR 120 VAC VERSIONS L1 & L2: 3.5 FOR 24 VDC VERSIONS & 4.0 FOR 120 VAC VERSIONS
ELECTRICAL CONNECTIONS: INDUSTRIAL FLAT PIN DIN (CONNECTOR NOT INCLUDED)	HOLDING CURRENT (AMPS): L01: 0.25 FOR 24 VDC VERSIONS & 0.05 FOR 120 VAC VERSIONS L1 & L2: 0.15 FOR 24 VDC VERSIONS & 0.54 FOR 120 VAC VERSIONS	
	PORT SIZES/TYPES: L01: 1/8" NPT, L1 & L2: 1/4" & 3/8" NPT	

AVENTICS BODY PORTED DIRECT SOLENOID & SOLENOID PILOT VALVES					
24 VDC - 1/8" - 3/8" NPT PORTS					
L01 SERIES ARE DIRECT SOLENOID. L1 & L2 ARE SOLENOID PILOT					
FUNCTION	SERIES	PORT SIZE			
		1/8" NPT	1/4" NPT	3/8" NPT	
 4/2 NC SPRING RETURN	L01	L01SA4594000061	X	X	
	L1	L11BA452B000061	L12BA452B000061	X	
 5/2 NC SPRING RETURN	L2	X	L22BA452B000061	L23BA452B000061	
	L1	L11BB452B000061	L12BB452B000061	X	
 5/2 NC DETENT	L2	X	L22BB452B000061	L23BB452B000061	
	L1	L11BB552B000061	L12BB552B000061	X	
 5/3 OPEN CENTER	L2	X	L22BB552B000061	L23BB552B000061	
	L1	L11BB652B000061	L12BB652B000061	X	
 5/3 CLOSED CENTER	L2	X	L22BB652B000061	L23BB652B000061	

AVENTICS BODY PORTED DIRECT SOLENOID & SOLENOID PILOT VALVES					
120 VAC - 1/8" - 3/8" NPT PORTS					
L01 SERIES ARE DIRECT SOLENOID. L1 & L2 ARE SOLENOID PILOT					
FUNCTION	SERIES	PORT SIZE			
		1/8" NPT	1/4" NPT	3/8" NPT	
 4/2 NC SPRING RETURN	L01	L01SA4592000030	X	X	
	L1	L11BA452O000030	L12BA452O000030	X	
 5/2 NC SPRING RETURN	L2	X	L22BA452O000030	L23BA452O000030	

\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*

\*PART NUMBERS IN BLACK ARE NORMALLY STOCK AT FLOTRONICS. PART NUMBERS IN GRAY NORMALLY STOCK AT FACTORY (3-5 BUS DAYS)\*



AVENTICS BODY PORTED AIR PILOT VALVES - NO OVERRIDE 1/8" - 3/8" NPT PORTS				
FUNCTION	SERIES	PORT SIZE		
		1/8" NPT	1/4" NPT	3/8" NPT
5/2 NC SPRING RETURN	L1	L11PA452O000000	L12PA452O000000	X
	L2	L22PA452O000000	L22PA452O000000	L23PA452O000000
5/2 NC DETENT	L1	L11PP452O000000	L12PP452O000000	X
	L2	L22PP452O000000	L22BB452O000030	L23PP452O000000
5/3 OPEN CENTER	L1	L11BB552O000030	L12PP552O000000	X
	L2	X	L22BB552O000030	L23PP552O000000
5/3 CLOSED CENTER	L1	L11BB652O000030	L12PP652O000000	X
	L2	X	L22PP652O000000	L23PP652O000000

AVENTICS BODY PORTED HAND LEVER VALVES 1/8" - 3/8" NPT PORTS			
FUNCTION	SERIES	PORT SIZE	
		1/4" NPT	3/8" NPT
5/2 NC SPRING RETURN	L2	L22LA452O000000	L23LA452O000000
5/2 NC DETENT		L22LD452O000000	L23LD452O000000
OPEN		L22LA552O000000	L23LA552O000000
5/3 CLOSED CENTER		L22LA652O000000	L23LA652O000000

\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*

\*PART NUMBERS IN BLACK ARE NORMALLY STOCK AT FLOTRONICS. PART NUMBERS IN GRAY NORMALLY HAVE 3-5 DAY LEAD TIME\*

## AIRTAC 3V, 3A, 4V & 4A SERIES DIRECTIONAL CONTROL VALVES

BODY PORTED SOLENOID PILOT & AIR PILOT VALVES

### SPECIFICATIONS

\*PLEASE CONSULT THE CATALOG FOR MORE INFORMATION

**RATED FLOW (CV):**  
3V/3A: 0.6-1.65, 4V/4A: 0.6-2.35

**FUNCTIONS:**  
3V/3A: 3/2, 4V/4A: 5/2 & 5/3

**AVAILABLE VOLTAGE(S):** 3V & 4V SERIES:  
24 VDC & 120 VAC

**SPOOL TYPE:** RUBBER PACKED

**OPERATING PRESSURE:** ALL SERIES:  
21-114 PSI

**PILOT PRESSURE (PSI):**  
21 (MIN) - 114 (MAX)

**TEMPERATURE RANGE:**  
ALL SERIES: -4-158° F

**POWER:**  
3V: 2.8-3.0 WATTS FOR 24 VDC VERSIONS  
2.8VA-4.5VA FOR 120 VAC VERSIONS  
4V: 2.8-3.0 WATTS FOR 24 VDC VERSIONS  
3.5VA-4.5VA FOR 120 VAC VERSIONS

**ELECTRICAL CONNECTIONS:**  
INDUSTRIAL FLAT PIN DIN  
(BLACK, FIELD-WIREABLE CONNECTOR  
INCLUDED)

**PORT SIZES/TYPES:**  
3V/3A: 1/8", 1/4" & 3/8" NPT  
4V/4A: 1/4", 3/8" & 1/2" NPT



### AIRTAC 3V & 4V BODY PORTED SOLENOID PILOT VALVES - 24 VDC - 1/8" - 1/2" NPT PORTS

ALL VALVES INCLUDE FIELD WIRE-ABLE DIN CONNECTORS

FUNCTION	SERIES	PORT SIZE			
		1/8" NPT	1/4" NPT	3/8" NPT	1/2" NPT
3/2 NC SPRING RETURN	3V100, 3V200, 3V300,	3V11006NCBT	3V21008NCBT	3V31010NCBT	X
3/2 NC DETENT	3V100, 3V200, 3V300,	3V12006BT	3V22008BT	3V32010BT	X
5/2 NC SPRING RETURN	4V100, 4V200, 4V300, 4V400	4V11006BT	4V22006BT	4V31010BT	4V41015BT
5/2 NC DETENT	4V100, 4V200, 4V300, 4V400	4V12006BT	4V22008BT	4V32010BT	4V42015BT
5/3 NC OPEN CENTER	4V100, 4V200, 4V300, 4V400	4V130E06BT	4V230E08BT	4V330E10BT	4V430E15BT
5/3 NC CLOSED CENTER	4V100, 4V200, 4V300, 4V400	4V130C06BT	4V230C08BT	4V330C10BT	4V430C15BT



### AIRTAC 3V & 4V BODY PORTED SOLENOID PILOT VALVES - 110 VAC - 1/8" - 1/2" NPT PORTS



ALL VALVES INCLUDE FIELD WIRE-ABLE DIN CONNECTORS

FUNCTION	SERIES	PORT SIZE			
		1/8" NPT	1/4" NPT	3/8" NPT	1/2" NPT
3/2 NC SPRING RETURN	3V100, 3V200, 3V300,	3V11006NCCT	3V21008NCCT	3V31010NCCT	X
3/2 NC DETENT	3V100, 3V200, 3V300,	3V12006CT	3V22008CT	3V32010CT	X
5/2 NC SPRING RETURN	4V100, 4V200, 4V300, 4V400	4V11006CT	4V21008CT	4V31010CT	4V41015CT
5/2 NC DETENT	4V100, 4V200, 4V300, 4V400	4V12006CT	4V22008CT	4V32010CT	4V42015CT
5/3 NC OPEN CENTER	4V100, 4V200, 4V300, 4V400	4V130E06CT	4V230E08CT	4V330E10CT	4V430E15CT
5/3 NC CLOSED CENTER	4V100, 4V200, 4V300, 4V400	4V130C06CT	4V230C08CT	4V330C10CT	4V430C15CT

\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*

\*PART NUMBERS IN BLACK ARE NORMALLY STOCK AT FLOTRONICS. PART NUMBERS IN GRAY NORMALLY HAVE 3-5 DAY LEAD TIME\*

FUNCTION	SERIES	AIRTAC 3A & 4A SERIES BODY PORTED AIR PILOT VALVES - 1/8" - 1/2" NPT PORTS			
		PORT SIZE			
		1/8" NPT	1/4" NPT	3/8" NPT	1/2" NPT
3/2 NC SPRING RETURN	3A100, 3A200, 3A300,	3A11006NCT	3A21008NCT	3A31010NCT	X
3/2 NC DETENT	3A100, 3A200, 3A300,	3A12006T	3A22008T	3A22008T 3A32010T	X
5/2 NC SPRING RETURN	4A100, 4A200, 4A300, 4A400	4A11006T	4A21008T	4A31010T	4A41015T
5/2 NC DETENT	4A100, 4A200, 4A300, 4A400	4A12006T	4A22008T	4A32010T	4A42015T
5/3 NC OPEN CENTER	4A100, 4A200, 4A300, 4A400	4A130E06T	4A230E08T	4A330E10T	4A430E15T
5/3 NC CLOSED CENTER	4A100, 4A200, 4A300, 4A400	4A130C06T	4A230C08T	4A330C10T	4A430C15T




AIRTAC 3V, 3A, 4V & 4A SERIES MANIFOLDS FOR BODY PORTED VALVES

SERIES	NUMBER OF STATIONS	PORT SIZE	MANIFOLD PART #
3V100/3A100	1	1/4" NPT	3V100M1FT
	2		3V100M2FT
	3		3V100M3FT
	4		3V100M4FT
	5		3V100M5FT
	6		3V100M6FT
	7		3V100M7FT
	8		3V100M8FT
3V200/3A200	1	1/4" NPT	3V200M1FT
	2		3V200M2FT
	3		3V200M3FT
	4		3V200M4FT
	5		3V200M5FT
	6		3V200M6FT
	7		3V200M7FT
	8		3V200M8FT



SERIES	NUMBER OF STATIONS	PORT SIZE	MANIFOLD PART #
3V300/3A300	1	3/8" NPT	3V300M1FT
	2		3V300M2FT
	3		3V300M3FT
	4		3V300M4FT
	5		3V300M5FT
	6		3V300M6FT
	7		3V300M7FT
	8		3V300M8FT



LARGER MANIFOLDS AVAILABLE



\*MANIFOLDS INCLUDE GASKETS AND MOUNTING SCREWS BUT DO NOT INCLUDE BLANK PLATES\*

\*OTHER VERSIONS OF THESE PARTS MAY BE AVAILABLE. PLEASE CONSULT THE FULL CATALOG FOR MORE INFO\*  
\*PART NUMBERS IN BLACK ARE NORMALLY STOCK AT FLOTRONICS. PART NUMBERS IN GRAY NORMALLY HAVE 3-5 DAY LEAD TIME\*

				AIRTAC 3V, 3A, 4V & 4A SERIES MANIFOLDS FOR BODY PORTED VALVES (CONTINUED)				
SERIES	NUMBER OF STATIONS	PORT SIZE	MANIFOLD PART #		SERIES	NUMBER OF STATIONS	PORT SIZE	MANIFOLD PART #
4V100/4A100	1	1/4" NPT	100M1FT		4V300/4A300	1	1/4" NPT	300M1FT
	2		100M2FT			2		300M2FT
	3		100M3FT			3		300M3FT
	4		100M4FT			4		300M4FT
	5		100M5FT			5		300M5FT
	6		100M6FT			6		300M6FT
	7		100M7FT			7		300M7FT
	8		100M8FT			8		300M8FT
4V200/4A200	1	1/4" NPT	200M1FT		4V400/4A400	1	3/8" NPT	400M1FT
	2		200M2FT			2		400M2FT
	3		200M3FT			3		400M3FT
	4		200M4FT			4		400M4FT
	5		200M5FT			5		400M5FT
	6		200M6FT			6		400M6FT
	7		200M7FT			7		400M7FT
	8		200M8FT			8		400M8FT

 		AIRTAC 3V, 3A, 4V & 4A SERIES BLANK PLATES	
FOR SERIES		PORT SIZE	
3V100/3A100		P-3V100M-R2	
3V200/3A200		P-3V200M-R2	
3V300/3A300		P-3V300M-R2	
4V100/4A100		P-100M-R1	
4V200/4A200		P-200M-R1	
4V300/4A300		P-300M-R1	
4V400/4A400		P-400M-R1	

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