

Series 2200 OPTYMA-S solenoid valve manifolds managed by multipoint connection are "well tried components"

Ψ	Well-tried component	 The product is a well-tried product for a safety-related application according to ISO 13849-1. The relevant basic and well-tried safety principles according
B _{10d}	50.000.000	ISO 13849-2 for this product are fulfilled.The suitability of the product for a precise application must be verified and confirmed by the user.



CANopen[®] module is directly integrated on Optyma-S solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyma-S solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).

The node can be easily installed also on solenoid valves manifold already mounted on equipment.

Module can manage up to 32 solenoid valves, and, in the same time, a max number of 4 Input modules 5222.08S.

CANopen[®] module recognizes automatically the presence of the Input modules on power on. Regardless of the number of Input modules connected, the managable solenoid valves are 32. Node power supply is made by a M12 4P male circular connector.

The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs maintaning powered the node and inputs, if present.

Connection to Bus CANopen[®] is possible via 2 M12 5P male - female circular connectors; these two are connected in parallel and according to CiA Draft Recommendation 303-1 (V. 1.3 : 30 December 2004).

Transmission speed can be set by 3 dip-switches.

The node address can be set by 6 dip-switches using BCD numeration.

The module includes an internal terminating resistance that can be activated by a dip-switch.

Ordering code



Scheme / Overall dimensions and I/O layout : 52 MAX 32 OUT **NETWORK** connectors 66 0 M12 5P FEMALE POWER SUPPLY connector M12 5P MALE PIN DESCRIPTION +24 VDC (NODE & INPUTS) PIN SIGNAL DESCRIPTION 1 CAN_SHLD Optional CAN Shield 1 Optional CAN external positive supply (Dedicated for supply of transceiver and Optocouplers, if galvanic isolation of the bus node applies) 2 NC 2 CAN_V+ 3 CAN_GND Ground / 0V / V-3 GND 4 CAN_H CAN_H bus line (dominant high) M15 4P MALE +24 VDC (OUTPUTS) 4 5 CAN_L CAN_L bus line (dominant low)

	Model	5522.32S
	Specifications	CiA Draft Standard Proposal 301 V 4.10 (15 August 2006)
	Case	Reinforced technopolymer
Power supply	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	30 mA
	Power supply diagnosis	Green LED PWR
Outputs	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	Network connectors	2 M12 5P connectors male-female Type A (IEC 60947-5-2
	Baud rate	10 - 20 - 50 - 125 - 250 - 500 - 800 - 1000 Kbit/s
	Addresses, possible numbers	From 1 to 63
	Max nodes in net	64 (slave + master)
	Bus maximum recommended length	100 m at 500 Kbit/s
	Bus diagnosis	Green LED + Red LED
	Configuration file	Available from our web site: http://www.pneumaxspa.com
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C

Overall dimensions and technical information are provided solely for informative purposes and may be modified without notice

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Technical characteristics



General:

DeviceNet module is directly integrated on Optyma-S solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyma-S solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).

The node can be easily installed also on solenoid valves manifold already mounted on equipment.

Module can manage up to 32 solenoid valves, and, in the same time, a max number of 4 Input modules 5222.08S.

DeviceNet module recognizes automatically the presence of the Input modules on power on. Regardless of the number of Input modules connected, the managable solenoid valves are 32. Node power supply is made by a M12 4P male circular connector.

The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs maintaining powered the node and inputs, if present.

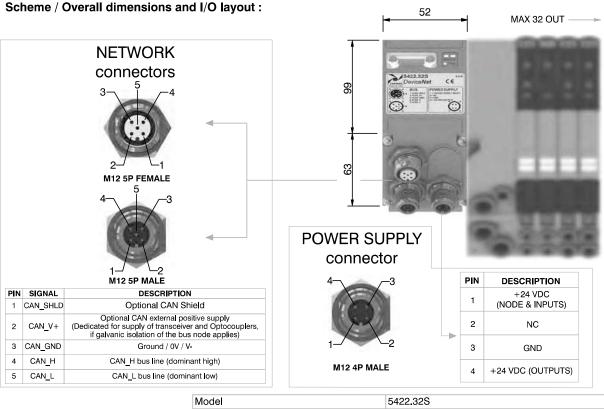
Connection to Bus DeviceNet is possible via 2 M12 5P male - female circular connectors; these two are connected in parallel and according to DeviceNet Specifications Volume I, release 2.0. Transmission speed can be set by 3 dip-switches.

The node address can be set by 6 dip-switches using BCD numeration.

The module includes an internal terminating resistance that can be activated by a dip-switch.

Ordering code





	Model	5422.32S
	Specifications	DeviceNet Specifications Volume I, release 2.0.
	Case	Reinforced technopolymer
Power supply	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	30 mA
	Power supply diagnosis	Green LED PWR
Outputs	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	Network connectors	2 M12 5P connectors male-female Type A (IEC 60947-5-2
	Baud rate	125 - 250 - 500 Kbit/s
	Addresses, possible numbers	From 1 to 63
	Max nodes in net	64 (slave + master)
	Bus maximum recommended length	100 m at 500 Kbit/s
	Bus diagnosis	Green LED + Red LED
	Configuration file	Available from our web site: http://www.pneumaxspa.com
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C



PROFIBUS DP module is directly integrated on Optyma-S solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyma-S solenoid valves connected to node must be PNP equivalent (final 02 in ordering code). The node can be easily installed also on solenoid valves manifold already mounted on equipment.

Module can manage up to 32 solenoid valves, and, in the same time, a max number of 4 Input modules 5222.08S.

PROFIBUS DP module recognizes automatically the presence of the Input modules on power on. Regardless of the number of Input modules connected, the managable solenoid valves are 32. Node power supply is made by a M12 4P male circular connector.

The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs maintaning powered the node and inputs, if present.

Connection to Bus PROFIBUS DP is possible via 2 M12 type B 5P male - female circular connectors; these two are connected in parallel and according to PROFIBUS Interconnection Technology (Version 1.1 : August 2001).

The node address can be set using BCD numeration: 4 dip-switches for the units and 4 dip-switches for the tens.

The module includes an internal terminating resistance that can be activated by a dip-switch.

Ordering code

5322.32S



Sch	neme / Ov	verall dimensions and I/O layout :	- 52		MAX 32 OUT
		NETWORK connectors			
			POWER SUPPLY connector		
		M12 5P MALE	4-\	PIN	DESCRIPTION
PIN		DESCRIPTION		1	+24 VDC
1	VP	Power supply plus, (P5V)	11		(NODE & INPUTS)
2	A-line	Receive / Transmit data -N, A-line		2	NC
3	DGND	Data Ground (reference potential to VP)	1-/2	3	GND
4	B-line	Receive / Transmit data -plus, B-line	M12 4P MALE		
5	SHIELD	Shield or PE		4	+24 VDC (OUTPUTS)
		Model	5322 . 32S		

	Model	5322.32S
	Specifications	PROFIBUS DP
	Case	Reinforced technopolymer
Power supply	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	50 mA
	Power supply diagnosis	Green LED PWR
Outputs	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	Network connectors	2 M12 5P male-female connectors Type B
	Baud rate	9,6 - 19,2 - 93,75 - 187,5 - 500 - 1500 - 3000 - 6000 - 12000 Kbit/s
	Addresses, possible numbers	From 1 to 99
	Max nodes in net	100 (slave + master)
	Bus maximum recommended length	100 m at 12 Mbit/s - 1200 m at 9,6 Kbit/s
	Bus diagnosis	Green LED + Red LED
	Configuration file	Available from our web site: http://www.pneumaxspa.com
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C

Technical characteristics

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General:

EtherCAT[®] module is directly integrated on Optyma-S solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyma-S solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).

The node can be easily installed also on solenoid valves manifold already mounted on equipment.

Module can manage up to 32 solenoid valves, and, in the same time, a max number of 4 Input modules 5222.08S.

The EtherCAT * module, regardless the number of Input module connected, reports to have connected 4 Input modules.

Regardless of the number of Input modules connected, the managable solenoid valves are 32. Node power supply is made by a M12 4P male circular connector.

The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs maintaining powered the node and inputs, if present.

Connection to Bus EtherCAT[®] is possible via 2 M12 4P type D female circular connectors. These two connectors lead the signal to two different communication ports, so they are not connected in parallel.

The node address is assigned during configuration.

Note: 5700 series has a different configuration file from series 5600.

Ordering code



MAX 32 OUT

Scheme / Overall dimensions and I/O layout :

		NETWORK connectors	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		
		2		PIN	DESCRIPTION +24 VDC
PIN	SIGNAL	DESCRIPTION	1631	1	(NODE & INPUTS)
1 1	TX+	Ethernet Transmit High		2	NC
		Ethernet Receive High	1-/2	3	GND
2	RX+	Ethernet Receive Right			
	RX+ TX-	Ethernet Transmit Low	M12 4P MALE	4	+24 VDC (OUTPUTS)

	Model	5722.32S.EC
	Specifications	EtherCAT [®] Specifications ETG.1000 series
	Case	Reinforced technopolymer
Power supply	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	400 mA
	Power supply diagnosis	Green LED PWR / Green LED OUT
Outputs	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	Network connectors	2 M12 4P female connectors Type D (IEC 61076-2-101)
	Baud rate	100 Mbit/s
	Addresses, possible numbers	From 1 to 65535
	Max nodes in net	65536 (Master + Slave)
	Maximum distance between 2 nodes	100 m
	Bus diagnosis	1 green and 1 red LED for status + 2 LEDs for link & act
	Configuration file	Available from our web site: http://www.pneumaxspa.co
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C



PROFINET IO RT module is directly integrated on Optyma-S solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyma-S solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).

The node can be easily installed also on solenoid valves manifold already mounted on equipment.

Module can manage up to 32 solenoid valves, and, in the same time, a max number of 4 Input modules 5222.08S.

The PROFINET IO RT module, regardless the number of Input module connected, reports to have connected 8 Input modules.

Regardless of the number of Input modules connected, the managable solenoid valves are 32. Node power supply is made by a M12 4P male circular connector.

The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs maintaining powered the node and inputs, if present.

Connection to Bus PROFINET IO RT is possible via 2 M12 4P type D female circular connectors. These two connectors lead the signal to two different communication ports, so they are not connected in parallel.

The node address is assigned during configuration.

Ordering code





MAX 32 OUT

Scheme / Overall dimensions and I/O layout :

		NETWORK connectors			
			POWER SUPPLY connector	-	
		M12 4P FEMALE	4	PIN	DESCRIPTION
				1	+24 VDC (NODE & INPUTS)
PIN	SIGNAL	DESCRIPTION	1 July 1	2	NC
1	TX+	Ethernet Transmit High			
2	RX+	Ethernet Receive High	1-/ -2	3	GND
3	TX-	Ethernet Transmit Low	M12 4P MALE	4	+24 VDC (OUTPUTS)
	RX-	Ethernet Receive Low		4	

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	Model	5722.32S.PN
	Specifications	PROFINET IO RT/IRT
	Case	Reinforced technopolymer
Power supply	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	400 mA
	Power supply diagnosis	Green LED PWR / Green LED OUT
Outputs	PNP equivalent outputs	+24 VDC +/- 10%
•	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	Network connectors	2 M12 4P female connectors Type D (IEC 61076-2-101)
	Baud rate	100 Mbit/s
	Addresses, possible numbers	As an IP address
	Max nodes in net	As an Ethernet Network
	Maximum distance between 2 nodes	100 m
	Bus diagnosis	1 green and 1 red LED for status + 4 LEDs for link & activity
	Configuration file	Available from our web site: http://www.pneumaxspa.com
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C

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Technical characteristics

EtherNet/IP module is directly integrated on Optyma-S solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyma-S solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).

The node can be easily installed also on solenoid valves manifold already mounted on equipment.

Module can manage up to 32 solenoid valves, and, in the same time, a max number of 4 Input modules 5222.08S.

The EtherNet/IP module, regardless the number of Input module connected, reports to have connected 8 Input modules.

Regardless of the number of Input modules connected, the managable solenoid valves are 32. Node power supply is made by a M12 4P male circular connector.

The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs maintaining powered the node and inputs, if present.

Connection to Bus EtherNet/IP is possible via 2 M12 4P type D female circular connectors. These two connectors lead the signal to two different communication ports, so they are not connected in parallel.

The node address is assigned during configuration.



MAX 32 OUT

Ordering code

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Scheme / Overall dimensions and I/O layout :

		NETWORK connectors			
			POWER SUPPLY connector		DESCRIPTION
		2 4 M12 4P FEMALE		PIN	DESCRIPTION +24 VDC
		2 1 M12 4P FEMALE		PIN 1	
		2 1 M12 4P FEMALE DESCRIPTION			+24 VDC
1	TX+	2		1	+24 VDC (NODE & INPUTS) NC
PIN 1 2 3		2 1 M12 4P FEMALE DESCRIPTION		1	+24 VDC (NODE & INPUTS)

	Model	5722.32S.EI
	Specifications	The EtherNet/IP Specification
	Case	Reinforced technopolymer
Power supply	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	400 mA
	Power supply diagnosis	Green LED PWR / Green LED OUT
Outputs	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	Network connectors	2 M12 4P female connectors Type D (IEC 61076-2-101)
	Baud rate	100 Mbit/s
	Addresses, possible numbers	As an IP address
	Max nodes in net	As an Ethernet Network
	Maximum distance between 2 nodes	100 m
	Bus diagnosis	1 green and 1 red LED for status + 4 LEDs for link & activi
	Configuration file	Available from our web site: http://www.pneumaxspa.com
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C



Powerlink module is directly integrated on Optyma-S solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyma-S solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).

The node can be easily installed also on solenoid valves manifold already mounted on equipment.

Module can manage up to 32 solenoid valves, and, in the same time, a max number of 4 Input modules 5222.08S.

The Powerlink module, regardless the number of Input module connected, reports to have connected 8 Input modules.

Regardless of the number of Input modules connected, the managable solenoid valves are 32. Node power supply is made by a M12 4P male circular connector.

The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs maintaning powered the node and inputs, if present.

Connection to Bus Powerlink is possible via 2 M12 4P type D female circular connectors. These two connectors lead the signal to two different communication ports, so they are not connected in parallel.

The node address is assigned during configuration.

Ordering code





MAX 32 OUT

Scheme / Overall dimensions and I/O layout :

	NETWOR connector 3 2 M12 4P FEMA 3	Drs 4	B B B B B B B B B B B B B B B B B B B		
	2_/ M12 4P FEMA	-1 \LE	4-,	PIN	DESCRIPTION
	2_/ M12 4P FEMA	-1 ILE	4	PIN 1	DESCRIPTION +24 VDC (NODE & INPUTS)
PIN		-1 ALE CRIPTION	4	1	+24 VDC (NODE & INPUTS)
	SIGNAL DESC		4		+24 VDC
1	SIGNAL DESC TX+ Ethernet	CRIPTION		1	+24 VDC (NODE & INPUTS)
PIN 1 2 3	SIGNAL DESC TX+ Ethernet RX+ Ethernet	CRIPTION Transmit High	4 1 M12 4P MALE	1	+24 VDC (NODE & INPUTS) NC

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	Model	5722.32S.PL		
	Specifications	Ethernet POWERLINK Communication Profile Specifications		
	Case	Reinforced technopolymer		
Power supply	Power supply connection	M12 4P male connector (IEC 60947-5-2)		
	Power supply voltage	+24 VDC +/- 10%		
	Node consumption (without inputs)	400 mA		
	Power supply diagnosis	Green LED PWR / Green LED OUT		
Outputs	PNP equivalent outputs	+24 VDC +/- 10%		
	Maximum current for each output	100 mA		
	Maximum output number	32		
	Max output simultaneously actuated	32		
Network	Network connectors	2 M12 4P female connectors Type D (IEC 61076-2-101)		
	Baud rate	100 Mbit/s		
	Addresses, possible numbers	239		
	Max nodes in net	240		
	Maximum distance between 2 nodes	100 m		
	Bus diagnosis	1 green and 1 red LED for status + 2 LEDs for link & activity		
	Configuration file	Available from our web site: http://www.pneumaxspa.com		
	IP protection grade	IP65 when assembled		
	Temperature range	From 0° to +50° C		



Technical characteristics

Modbus/TCP module is directly integrated on Optyma-S solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyma-S solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).

The node can be easily installed also on solenoid valves manifold already mounted on equipment.

Module can manage up to 32 solenoid valves, and, in the same time, a max number of 4 Input modules 5222.08S.

The Modbus/TCP module, regardless the number of Input module connected, reports to have connected 8 Input modules.

Regardless of the number of Input modules connected, the managable solenoid valves are 32. Node power supply is made by a M12 4P male circular connector.

The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs maintaining powered the node and inputs, if present.

Connection to Bus Modbus/TCP is possible via 2 M12 4P type D female circular connectors. These two connectors lead the signal to two different communication ports, so they are not connected in parallel.

The node address is assigned during configuration.

Ordering code

5722.32S.MT



Scł	neme / Ove	rall dimensions and I/O layout :	 •	52		MAX 32 OUT
NETWORK connectors		POWER SUPPLY				
		2-1	connecto	tor		
		M12 4P FEMALE	43		PIN	DESCRIPTION
					1	+24 VDC (NODE & INPUTS)
	SIGNAL	DESCRIPTION	(See)	1.	2	NC
1	TX+	Ethernet Transmit High				
2	RX+	Ethernet Receive High			3	GND
3	TX-	Ethernet Transmit Low	M12 4P MALE		4	+24 VDC (OUTPUTS)

	Model	5722.32S.MT
	Specifications	MODBUS Application Protocol Specification V1.1a, June 4, 2004
	Case	Reinforced technopolymer
Power supply	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	400 mA
	Power supply diagnosis	Green LED PWR / Green LED OUT
Outputs	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	Network connectors	2 M12 4P female connectors Type D (IEC 61076-2-101)
	Baud rate	100 Mbit/s
	Addresses, possible numbers	248
	Max nodes in net	248
	Maximum distance between 2 nodes	100 m
	Bus diagnosis	1 green and 1 red LED for status + 2 LEDs for link & activity
	Configuration file	Modbus/TCP nodes don't require configuration file
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C

Overall dimensions and technical information are provided solely for informative purposes and may be modified without notice

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IO-Link module is directly integrated on Optyma-S solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyma-S solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).

The node can be easily installed also on solenoid valves manifold already mounted on equipment.

Module can manage up to 32 solenoid valves, and, in the same time, a max number of 4 Input modules 5222.08S.

Regardless of the number of Input modules connected, the managable solenoid valves are 32. Valve power supply will be provided through an external M12, 5 poles, A type connector, directly through the communication connector for Class B port option.

IO-Link module support the IO-Link communications speed COM2.

IODD configuration files will be provided by Pneumax

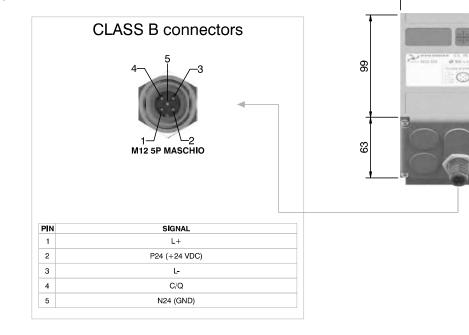






MAX 32 OUT

Scheme / Overall dimensions and I/O layout :



	Specifications	IO-Link Specification v1.1
	Case	Reinforced technopolymer
Outputs	PNP equvalent outputs	+24 VDC +/- 10%
•	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	Network connectors	Class B ports
	Comunication speed	COM 2
	Maximum distance from Master	20 m
	Bus diagnosis	1 green and 1 red LED for status
	Configuration file IODD	Available from our web site: http://www.pneumaxspa.com
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C

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Technical characteristics



Modules have 8 connectors M8 3P female.

The Inputs are PNP equivalent 24 VDC $\pm 10\%$.

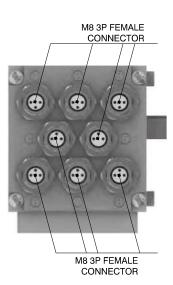
To each connector it is possible to plug both 2 wires Inputs (switches, magnetic switches pressure switches, etc) or 3 wires Inputs (proximity, photocells, electronic sensors, etc). The maximum current available for all 8 Inputs is 300 mA.

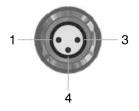
Each module includes a 300 mA self-mending fuse. If a short circuit or a overcharge (overall current >300mA) occur the safety device acts cutting the 24 VDC power supply to all M8 connectors on the module and switching off the green LED PWR. Any other Input module connected to the node will remain powered and will function correctly.

Once the cause of the fault disappears the green LED PWR lights up indicating the ON state and the node will re-start to operate.

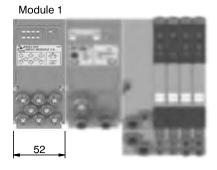
The maximum number of Input modules supported is 4.

Scheme / Overall dimensions and I/O layout :





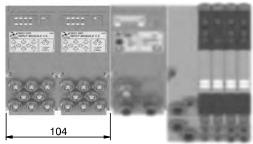
PIN	DESCRIPTION
1	+24 VDC
4	INPUT
3	GND



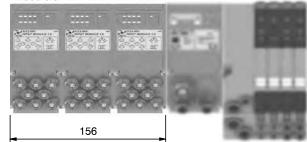
Ordering code

5222.08S

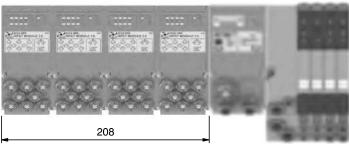
Module 2 Module 1



Module 3 Module 2 Module 1

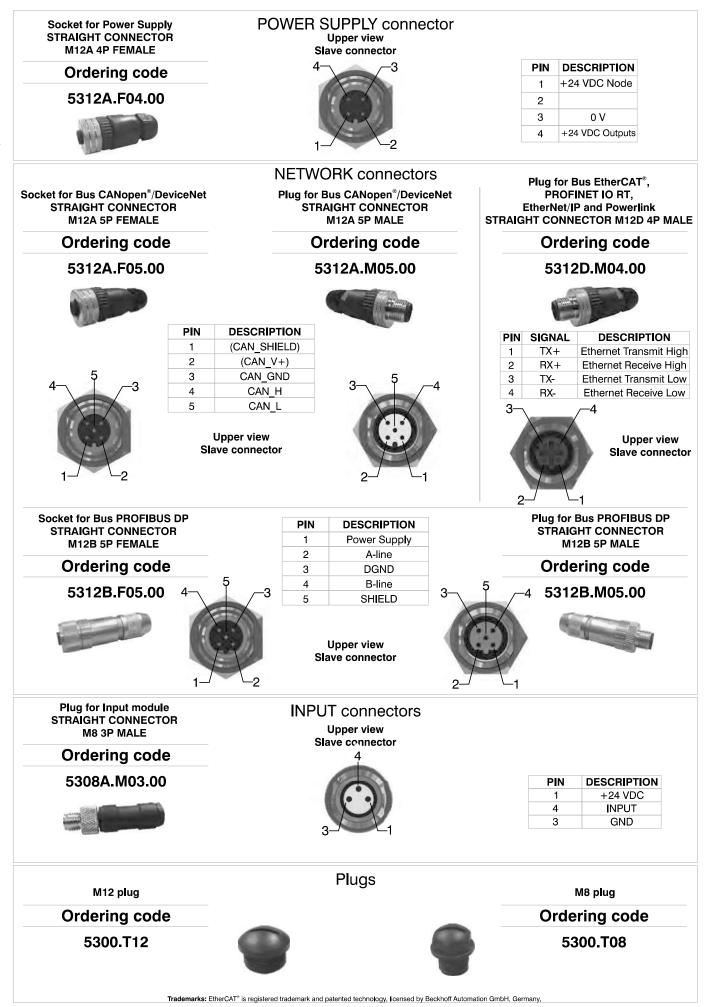


Module 4 Module 3 Module 2 Module 1





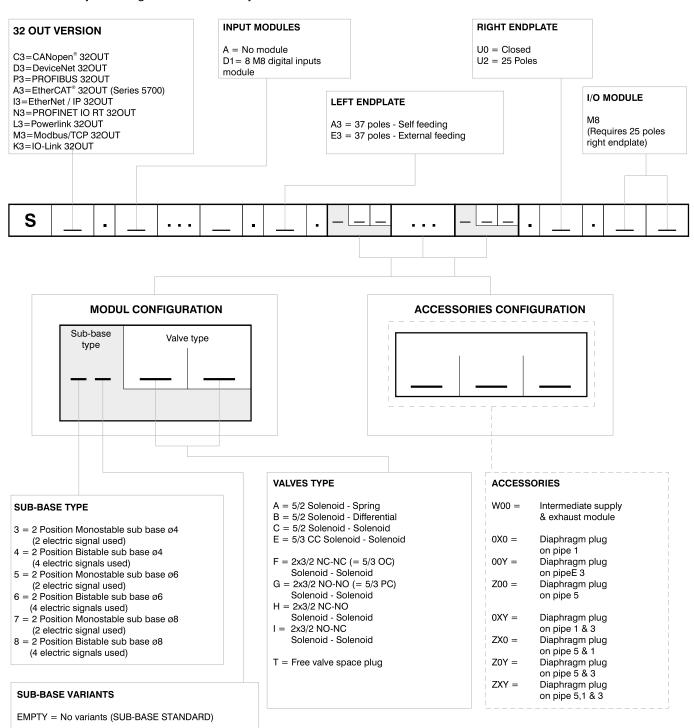
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Manifold Layout configuration with serial systems



- 3 = Diaphragm plug on pipe 1 and 5 4 = Diaphragm plug on pipe 1 and 3
- 5 = Diaphragm plug on pipe 5
- 6 = Diaphragm plug on pipe 3
- 7 = Diaphragm plug on pipe 1
- 8 = Diaphragm plug on pipe 3 and 5
- 9 = Diaphragm plug on pipe 3

NOTE:

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While configuring the manifold always be careful that the maximum number of electrical signals available is 32

The use of monostable valve mounted on a bistable base (2 electrical signals occupied for each position) causes the loss of one electric signal.

In this case the monostable valve can be replaced by a bistable valve without reconfiguring the PLC.

The diaphragms plugs are used to intercept the conduits 1,3 & 5 of the base.

Should one or more conduits be cut more than one time it is necessary to add the relevant intermediate Supply/Exhaust module.