

**General:**

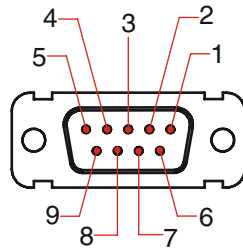
The module is being integrated with 2400 series solenoid valves manifold by replacing the 37 pole connector normally used for the multipolar connection; it is necessary to use multipolar modules for PNP standard outlets.  
 The module can handle up to 32 solenoid valves (16 solenoid valve bistable).  
 The M16 4 poles male power supply connector allows to divide the node power supply from the one of outlets, this allows to switch off the outlets maintaining the supply to the node.  
 Connection to net CanOpen is possible via connector 9 poles Sub D.  
 The node address can be set by internal switch by utilizing BCD numeration, the 2 digit display on the cover shows the selected address.  
 Transmission speed can be set through proper internal switch.

**Ordering code**

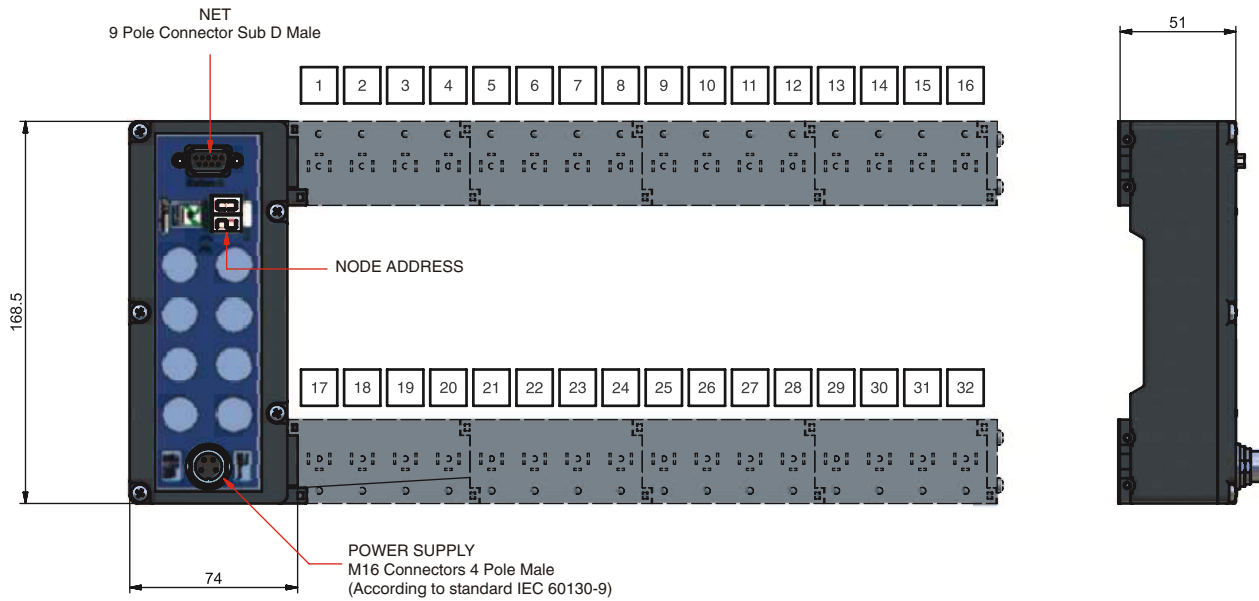
**5550.32.00**



**Scheme / Overall dimensions and I/O layout :**



PIN	DESCRIPTION
1	
2	CAN_L
3	CAN_GND
4	
5	
6	CAN_GND
7	CAN_H
8	
9	(CAN_V+)



**Technical characteristics**

	Model	5550.32.00
	Protocol	CanOpen
	Spec	Draft Standard 301 V 4.02 – Feb. 2002
	External casing	Reinforced technopolymer
<b>Power supply</b>	Power supply connection	M16 4 Pole male connector
	Voltage	+24 VDC +/- 10%
	Node consumption (outlets excluded)	90 mA
	Power supply diagnosis	Green led PW
<b>Outlets</b>	PNP equivalent outlet	+24 VDC
	Maximum voltage each outlet	100 mA
	Outlets, maximum numbers	32
	Maximum n. outlets that can be actuated simult.	32
	Internal fuse	5 A
<b>Net</b>	Connections to net	9 pole connector, Sub D female
	Transmission capability	10 – 25 - 50 – 125 – 250 – 500 – 800 -1000 Kbit/s
	Addresses, possible numbers	from 1 to 99
	Node, maximum numbers	128
	Bus maximum lengths	100 m to 1000 Kbit/s
	Diagnosis bus	Green led + Red led
	Configuration file	Pnx_co.eds
	Protection degree	IP40
	Ambient temperature	from -0° to +50° C

**General:**

The module is being integrated with 2400 series solenoid valves manifold by replacing the 37 pole connector normally used for the multipolar connection; it is necessary to use multipolar modules for PNP standard outlets.

The module can handle up to 32 solenoid valves (16 solenoid valve bistable).

The M16 4 poles male power supply connector allows to divide the node power supply from the one of outlets, this allows to switch off the outlets maintaining the supply to the node.

Connection to net CanOpen is possible via 2 connector M16 5 poles female, the connectors being in parallel.

The node address can be set by internal switch by utilizing BCD numeration, the 2 digit display on the cover shows the selected address.

Transmission speed can be set through proper internal switch.

The module requires internal resistance to be connected by switch.

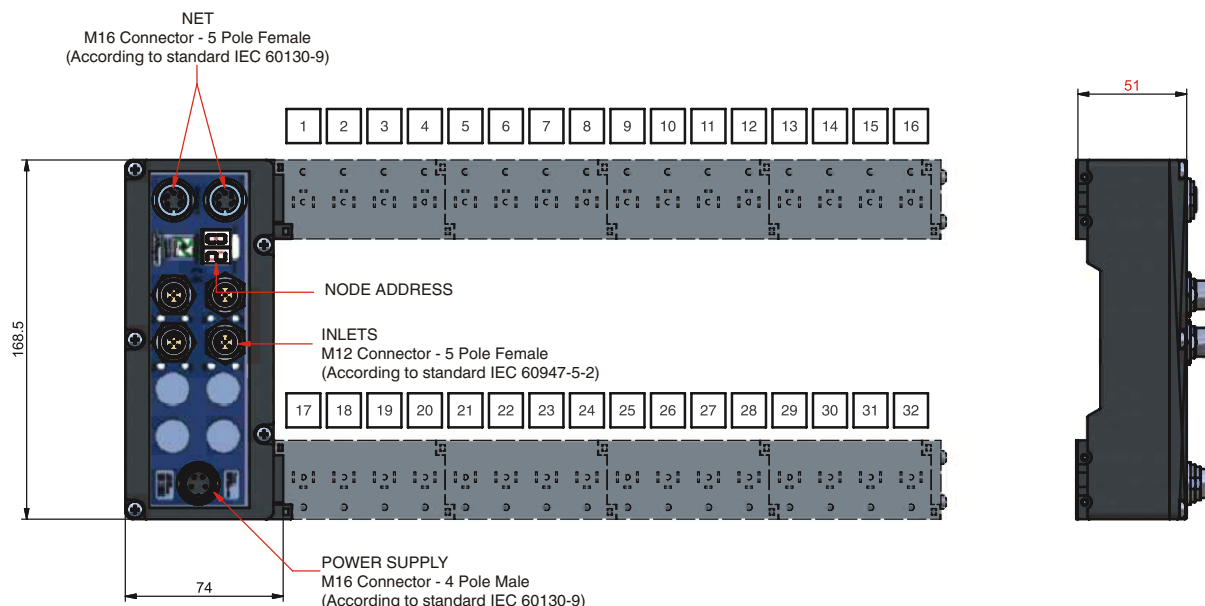
A max. of n. 8 Inlets can be connected, through 4 M12 female connector on the cover: 1 or 2 inlets can be connected to each connector, being the inlets 2 wires type ( switch, pressure switch, magnetic stop...) or 3 wires type ( proximity, photocell, magnetic and elect.stop...)

**Ordering code**

**5500.32.081**



**Scheme / Overall dimensions and I/O layout :**



**Technical characteristics**

	Model	5500.32.081
	Protocol	CanOpen
	Spec	Draft Standard 301 V 4.02 – Feb. 2002
	External casing	Reinforced technopolymer
<b>Power supply</b>	Power supply connection	M16 4 Pole male connector
	Voltage	+24 VDC +/- 10%
	Node consumption (outlets excluded)	117 mA
	Power supply diagnosis	Green led PW
<b>Outlets</b>	PNP equivalent outlet	+24 VDC
	Maximum voltage each outlet	100 mA
	Outlets, maximum numbers	32
	Maximum n. outlets that can be actuated simult.	32
	Internal fuse	5 A
<b>Inlets</b>	PNP 8 equivalent inlets	+24 VDC +/- 10%
	Maximum Inlet current	10 mA
	Inlets connections	N. 4 Circular Connector M12 5 pole female (IEC 60947-5-2)
<b>Net</b>	Connections to net	M16 2 connectors 5 Pin female
	Transmission capability	10 – 25 - 50 – 125 – 250 – 500 – 800 -1000 Kbit/s
	Addresses, possible numbers	from 1 to 99
	Node, maximum numbers	128
	Bus maximum lengths	100 m to 1000 Kbit/s
	Diagnosis bus	Green led + Red led
	Configuration file	Pnx_co_e.eds
	Protection degree	IP65 (node and connector mounted)
Ambient temperature	from -0° to +50° C	

**General:**

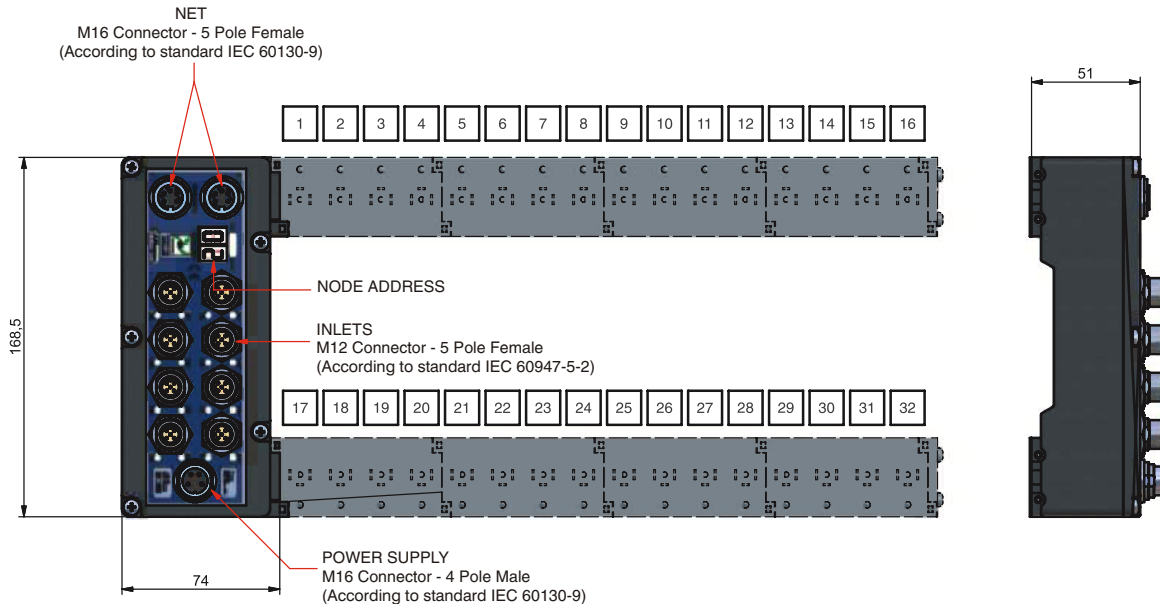
The module is being integrated with 2400 series solenoid valves manifold by replacing the 37 pole connector normally used for the multipolar connection; it is necessary to use multipolar modules for PNP standard outlets.  
 The module can handle up to 32 solenoid valves (16 solenoid valve bistable).  
 The M16 4 poles male power supply connector allows to divide the node power supply from the one of outlets, this allows to switch off the outlets maintaining the supply to the node.  
 Connection to net CanOpen is made via 2 x M16 5 pole female connectors, the connectors being in parallel.  
 The node address can be set by internal switch by utilizing BCD numeration, the 2 digit display on the cover shows the selected address.  
 Transmission speed can be set through proper internal switch.  
 The module requires internal resistance to be connected by switch.  
 A max. of n 16 Inlets via 8 connectors M12 female connector on the cover: 1 or 2 inlets can be connected to each connector, being the inlets 2 wires type ( switch, pressure switch, magnetic stop...) or 3 wires type ( proximity, photocell, magnetic and electronic stop...)

**Ordering code**

**5500.32.16I**



**Scheme / Overall dimensions and I/O layout :**



**Technical characteristics**

	Model	5500.32.16I
	Protocol	CanOpen
	Spec	Draft Standard 301 V 4.02 – Feb. 2002
	External casing	Reinforced technopolymer
<b>Power supply</b>	Power supply connection	M16 4 Pole male connector
	Voltage	+24 VDC +/- 10%
	Node consumption (outlets excluded)	125 mA
<b>Outlets</b>	Power supply diagnosis	Green led PW
	PNP equivalent outlets	+24 VDC
	Maximum voltage each outlet	100 mA
	Outlets, maximum numbers	32
	Maximum n. outlets that can be actuated simult.	32
	Internal fuse	5 A
<b>Inlets</b>	PNP 8 equivalent inlets	+24 VDC +/- 10%
	Maximum Inlet current	10 mA
	Inlets connections	N. 8 Circular Connector M12 5 pole female (IEC 60947-5-2)
<b>Net</b>	Connections to net	M16 2 connectors 5 Pin female
	Transmission capability	10 – 25 - 50 – 125 – 250 – 500 – 800 - 1000 Kbit/s
	Addresses, possible numbers	from 1 to 99
	Node, maximum numbers	128
	Bus maximum lengths	100 m to 1000 Kbit/s
	Diagnosis bus	Green led + Red led
	Configuration file	Pnx_co_e.eds
	Protection degree	IP65 (node and connector mounted)
	Ambient temperature	from -0° to +50° C

**Straight outlet  
PG9**

**Ordering code**

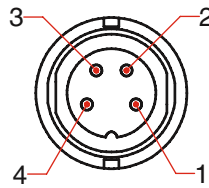
**5300.F04.00.00**



**FOR TYPE:**

5500.32.00 - 5550.32.00 - 5500.32.08I - 5500.32.16I

**Upper view  
Slave connector**



PIN	DESCRIPTION
1	0 V
2	SHIELD
3	+ 24 node
4	+ 24 connections

**Straight outlet  
for CanOpen bus**

**Ordering code**

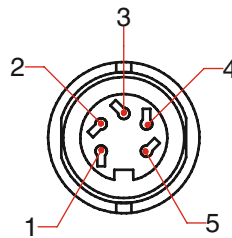
**5300.M05.00.00**



**FOR TYPE:**

5500.32.00 - 5500.32.08I - 5500.32.16I

**Upper view  
Slave connector**



PIN	DESCRIPTION
1	(CAN_SHIELD)
2	(CAN_V+)
3	CAN_GND
4	CAN_H
5	CAN_L

**Angular pin M12  
5 poles  
(IEC 60947-5-2)**

**Ordering code**

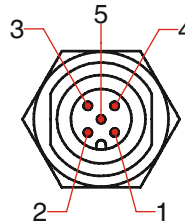
**5300.M12.00.00**



**FOR TYPE:**

5500.32.08I - 5500.32.16I

**Upper view  
Slave connector**



PIN	DESCRIPTION
1	+ 24 V
2	SIGNAL B
3	- 0 V
4	SIGNAL A
5	SHIELD

**Straight pin M12  
5 poles  
(IEC 60947-5-2)**

**Ordering code**

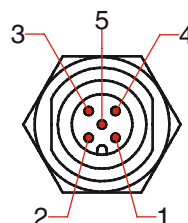
**5312.A.M05.00**



**FOR TYPE:**

5500.32.08I - 5500.32.16I

**Upper view  
Slave connector**



PIN	DESCRIPTION
1	+ 24 V
2	SIGNAL B
3	- 0 V
4	SIGNAL A
5	SHIELD

**M16 Plug**

**Ordering code**

**5300.T16**



**FOR TYPE:**

5500.32.00 - 5500.32.08I - 5500.16I

**M12 Plug**

**Ordering code**

**5300.T12**



**FOR TYPE:**

5500.32.08I - 5500.32.16I - 5500.16.00

**General:**

The module is being integrated with 2400 series solenoid Valves manifold by replacing the 37 pole connector normally used for the multipolar connection; it is necessary to use multipolar modules for PNP standard outlets. The module can handle up to 16 solenoid valves (8 solenoid valves bistable).

Power supply connector is a standard 9 poles Sub D, allows to divide the node feeding from the one of outlets, letting the node feeded but the outlets without power supply.

Connection to net CanOpen is possible via 2 connector M12 5 pole male-female, being the connectors in parallel.

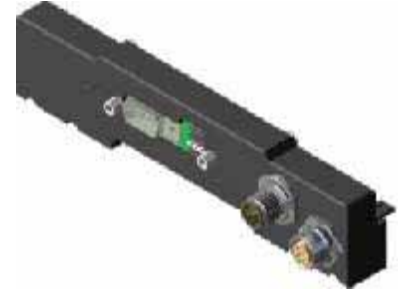
The node address can be set by 6 switch by utilizing BCD numeration from 1 to 63. Transmission speed can be set through 2 switch.

The module can't host an internal terminating resistance.

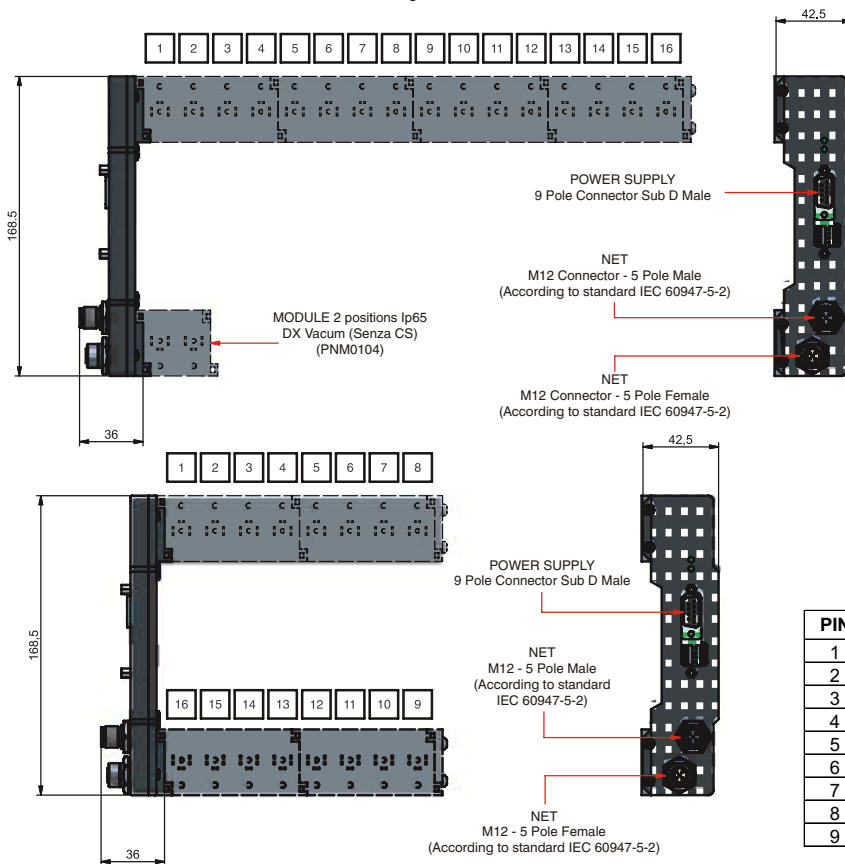
\*It allows to feed 4 outlets simultaneously but switching off them partially in case of emergency.

**Ordering code**

**5500.16.00**  
**5500.16.4A\***

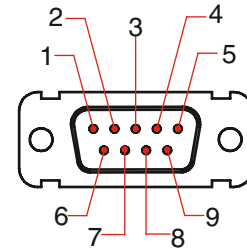


**Scheme / Overall dimensions and I/O layout :**



**5500.16.00**

PIN	DESCRIPTIONS
1	24 VDC for outlets
2	24 VDC for outlets
3	24 VDC for outlets
4	24 VDC for outlets
5	24 VDC for node
6	Common
7	Common
8	Common
9	Common



**5500.16.4A**

PIN	DESCRIPTIONS
1	Power supply 24 VDC for outlets 1-2-3-4
2	Power supply 24 VDC for outlets 5-6-7-8
3	Power supply 24 VDC for outlets 9-10-11-12
4	Power supply 24 VDC for outlets 13-14-15-16
5	24 VDC for node
6	Common
7	Common
8	Common
9	Common

**Technical characteristics**

Model	5500.16.00	
Protocol	CanOpen	
Spec	Draft Standard 301 V 4.02 – Feb. 2002	
External casing	Reinforced technopolymer	
<b>Power supply</b>	Power supply connection	9 Pole connector sub D Male
	Voltage	+24 VDC +/- 10%
	Node consumption (outlets excluded)	50 mA
<b>Outlets</b>	PNP equivalent outlets	+24 VDC
	Maximum current each inlet	100 mA
	Outlets, maximum numbers	16
	Maximum n. outlets that can be actuated simult.	16
<b>Net</b>	Connections to net	2 connector M12 5 Poles Male-Female (IEC 60947-5-2)
	Transmission capability	125 - 250 - 500 - 1000 Kbit/s
	Addresses, possibile numbers	from 1 to 63
	Node, maximum numbers	128
	Bus maximum lengths	100 m to 1000 Kbit/s
	Diagnosis bus	Green Led + Red Led
	Configuration file	PnxS106.eds
	Protection degree	IP65 (node and connector mounted)
	Ambient temperature	from -0° to +50°C

**General:**

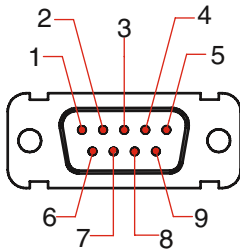
The module is being integrated with 15 mm compact series 300 manifold by replacing the 37 poles connector normally used to connect solenoid valves; can manage up to 32 elettopilots.  
Power supply connector is a solenoids 9 poles sub D, allows to divide the node feeding from the one of outlets, this allows to switch off the outlets maintaining the supply to the node.  
Connection to net CanOpen is possible via 2 connector 2 M12 5 poles male-female, being the connectors in parallel.  
The node address can be set by 6 switch by utilizing BCD numeration from 1 to 63.  
Transmission speed can be set through 2 switch.  
The module can't host an internal terminating resistance.

**Ordering code**

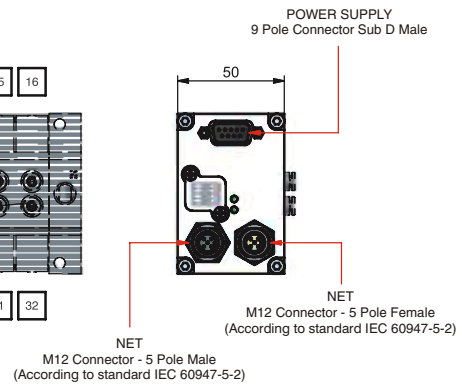
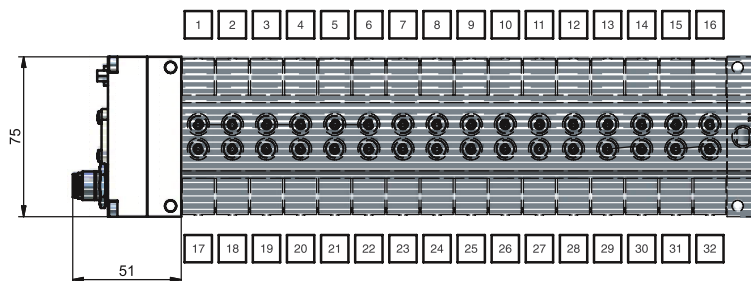
**5515.32.00**



**Scheme / Overall dimensions and I/O layout :**



PIN	DESCRIPTION
1	24 VDC for outlets
2	24 VDC for outlets
3	24 VDC for outlets
4	24 VDC for outlets
5	24 VDC for outlets
6	Common
7	Common
8	Common
9	Common



**Technical characteristics**

	Model	5515.32.00
	Protocol	CanOpen
	Spec	Draft Standard 301 V 4.02 - Feb. 2002
	External casing	Aluminium anodizzato
<b>Power supply</b>	Power supply connection	9 Pole connector sub D Male
	Voltage	+24 VDC +/- 10%
	Node consumption (outlets excluded)	50 mA
<b>Outlets</b>	PNP equivalent outlets	+24 VDC
	Maximum voltage each outlet	100 mA
	Outlets, maximum numbers	32
	Maximum n. outlets that can be actuated simult.	32
<b>Net</b>	Connections to net	2 M12 5 Pole connectors Male-Female (IEC 60947-5-2)
	Transmission capability	125 - 250 - 500 - 1000 Kbit/s
	Addresses, possibile numbers	from 1 to 63
	Node, maximum numbers	128
	Bus maximum lengths	100 m to 1000 Kbit/s
	Diagnosis bus	Green led + Red led
	Configuration file	Pnx15101.eds
	Protection degree	IP40
	Ambient temperature	from -0° to +50° C

**Straight connect.  
M12A 5P male  
for CanOpen**

**Ordering code**

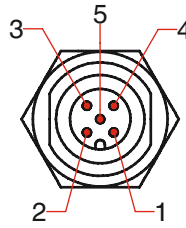
**5312A.M05.00**



**FOR TYPE:**

5515.32.00 - 5500.16.00 - 5500.16.4A

**Upper view  
Slave connector**



PIN	DESCRIPTION
1	(CAN_SHIELD)
2	(CAN_V+)
3	CAN_GND
4	CAN_H
5	CAN_L

**Straight connect.  
M12A 5P female  
for CanOpen**

**Ordering code**

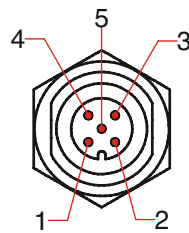
**5312A.F05.00**



**FOR TYPE:**

5515.32.00 - 5500.16.00 - 5500.16.4A

**Upper view  
Slave connector**



PIN	DESCRIPTION
1	(CAN_SHIELD)
2	(CAN_V+)
3	CAN_GND
4	CAN_H
5	CAN_L

**M12 Plug**

**Ordering code**

**5300.T12**



**FOR TYPE:**

5515.32.00 - 5500.16.00 - 5500.16.4A

**General:**

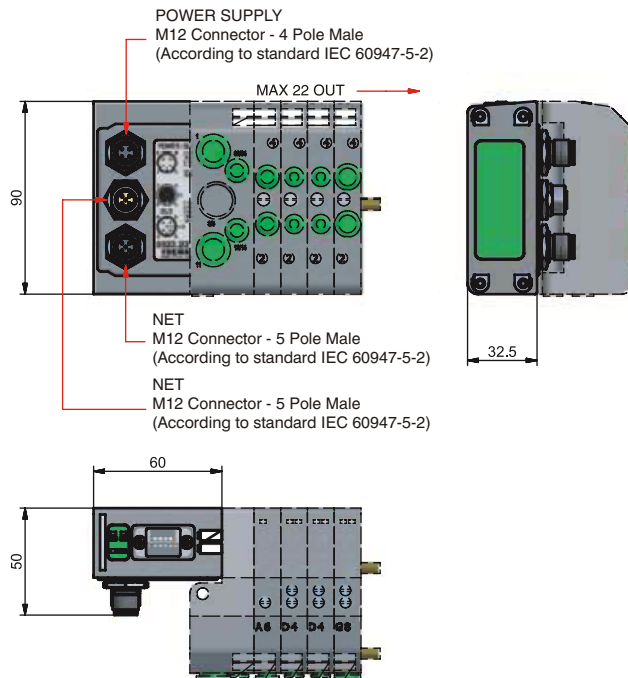
CanOpen module is directly integrated on Enova solenoid valves by means of a 25 poles connector, normally used for multipolar cable connection; Enova solenoid valves to be connected to node must PNP equivalent (final 02 in ordering code).  
 The node can be easily installed also on solenoid valves manifold already mounted on equipment.  
 Module can manage up to 22 solenoid valves, in the same way a max n. of 3 modules of inlets 5200.08.  
 CanOpen module recognizes automatically inlets cards. If connected inlet modules are 2, the n. of solenoid valves that can be actuated decreases from 22 to 16.  
 Node power supply is available with circular connection M12 4 male poles.  
 Division between node 24V and outlets 24V allow to switch off the outlets maintaining supply in the node and powered inlets, if any.  
 Connection to net CanOpen is possible via 2 circular connectors male-female 5 pole, M12.  
 The 2 connectors are parallel connectors pin according to CanOpen CIA Draft Recommendation 303-1. Transmission speed can be set by 3 dip-switch.  
 The node address can be set by 6 dip-switch utilizing BCD numeration.  
 The module can host an internal terminating resistance to be inserted by a dip-switch.

**Ordering code**

**5523.22**



**Scheme / Overall dimensions and I/O layout :**



**Technical characteristics**

	Model	5523.22
	Protocol	CanOpen Draft Standard 301 V 4.02
	External casing	Reinforced technopolymer
<b>Power supply</b>	Power supply connection	M12 4 Pole male connector (IEC 60947-5-2)
	Voltage	+24 VDC +/- 10%
	Node consumption (outlets excluded)	25mA
<b>Outlets</b>	Power supply diagnosis	Green led PW
	PNP equivalent outlets	+24 VDC
	Maximum voltage each outlet	100 mA
	Outlets, maximum numbers	22
	Maximum n. outlets that can be actuated simult.	22
<b>Net</b>	Connections to net	M12 2 connectors pole male-female (IEC 60947-5-2)
	Transmission capability	10 – 25 - 50 – 125 – 250 – 500 – 800 -1000 Kbit/s
	Addresses, possible numbers	from 1 to 63
	Node, maximum numbers	128
	Bus maximum lengths	100 m to 1000 Kbit/s
	Diagnosis bus	Green led + Red led
	Configuration file	Pneco101.EDS
	Protection degree	IP65 (node and connector mounted)
	Ambient temperature	from -0° to +50° C



**General:**

Modules have 8 connectors, M8 3 female pole.

Inlets are PNP 24V ± 10% equivalents, DC.

Each connector can host either 2 wires inlets (switch, pressure switch, magnetic stop...) or 3 wires (proximity, photocell, magnetic and elect.stop...) inlets max power supply for all 8 inlets is 200 mA.

Each single module has 200 mA internal fuse, that can be restored.

In case of short-circuit or overload (total power supply > 200 mA) protection system is stopping the 24V on each M8 connector and power green led is switched off.

Other inlets cards on the node are going on working properly.

By erasing the problem, green led is restored in position "ON" and module is working back normally.

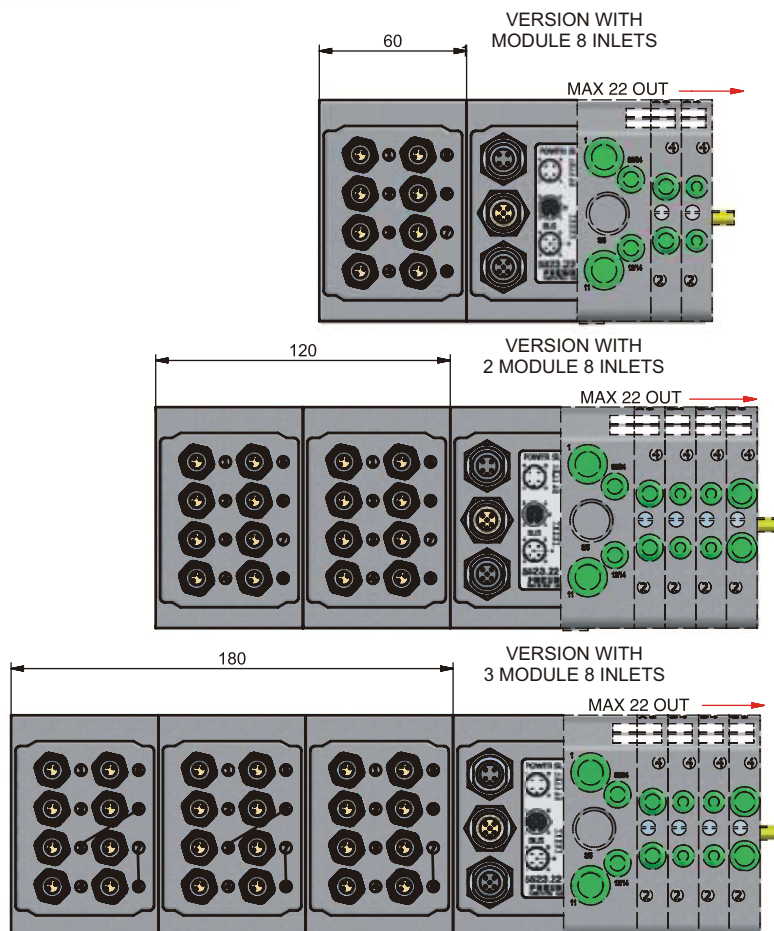
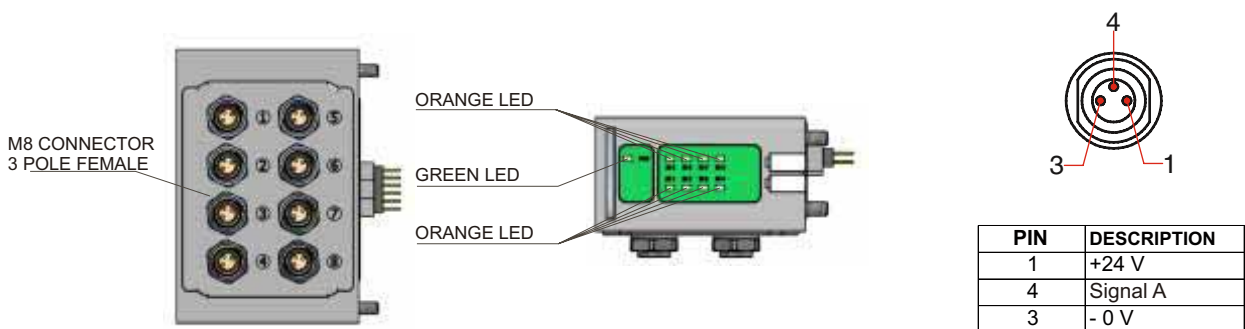
Max n. of inlet module is 3 each for Slave Can-open (5523.22) 2 for Profibus Slave (5323.22).

**Ordering code**

**5200.08**



**Scheme / Overall dimensions and I/O layout :**



Inlet plug  
STRAIGHT CONNECT.  
M12A 4P FEMALE

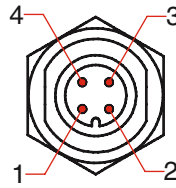
Ordering code

5312A.F04.00



FOR TYPE:  
5523.22

Upper view  
Slave connector



PIN	DESCRIPTION
1	+24 Node
2	
3	0 V
4	+ 24 Outlets

Plug for Can Open  
STRAIGHT CONNECT.  
M12 5P FEMALE

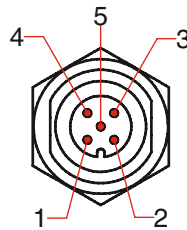
Ordering code

5312A.F05.00



FOR TYPE:  
5523.22

Upper view  
Slave connector



PIN	DESCRIPTION
1	(CAN_SHIELD)
2	(CAN_V+)
3	CAN_GND
4	CAN_H
5	CAN_L

Plug for Can Open  
STRAIGHT CONNECT.  
M12 5P MALE

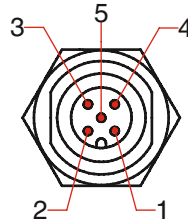
Ordering code

5312A.M05.00



FOR TYPE:  
5523.22

Upper view  
Slave connector



PIN	DESCRIPTION
1	(CAN_SHIELD)
2	(CAN_V+)
3	CAN_GND
4	CAN_H
5	CAN_L

Straight plug  
for inlet module  
3 poles male

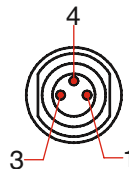
Ordering code

5308A.M03.00



FOR TYPE:  
5200.08

Upper view  
Slave connector



PIN	DESCRIPTION
1	+24 V
4	Signal A
3	- 0 V

M12 Plug

Ordering code

5300.T12



FOR TYPE:  
5523.22

M8 Plug

Ordering code

5300.T08



FOR TYPE:  
5200.08

**General:**

The Pneumax AS-Interface module is an integrated device developed to control the 2400 series valves; it is fully compliant with the AS-Interface norms "Complete Specification Slave Profiles 7.0, Version 2.1, Revision 1".

The AS-Interface system allows the communication of four (4) bits of I/O and four (4) bits of parameters between the master and any slave connected on the line.

The Pneumax AS-Interface module comprises two AS-Interface slaves integrated in one single unit therefore the master reads them as two separate entities each one with four outputs and four inputs and with different address in the master memory.

The module is supplied with both slaves addressed to 0 (Zero).

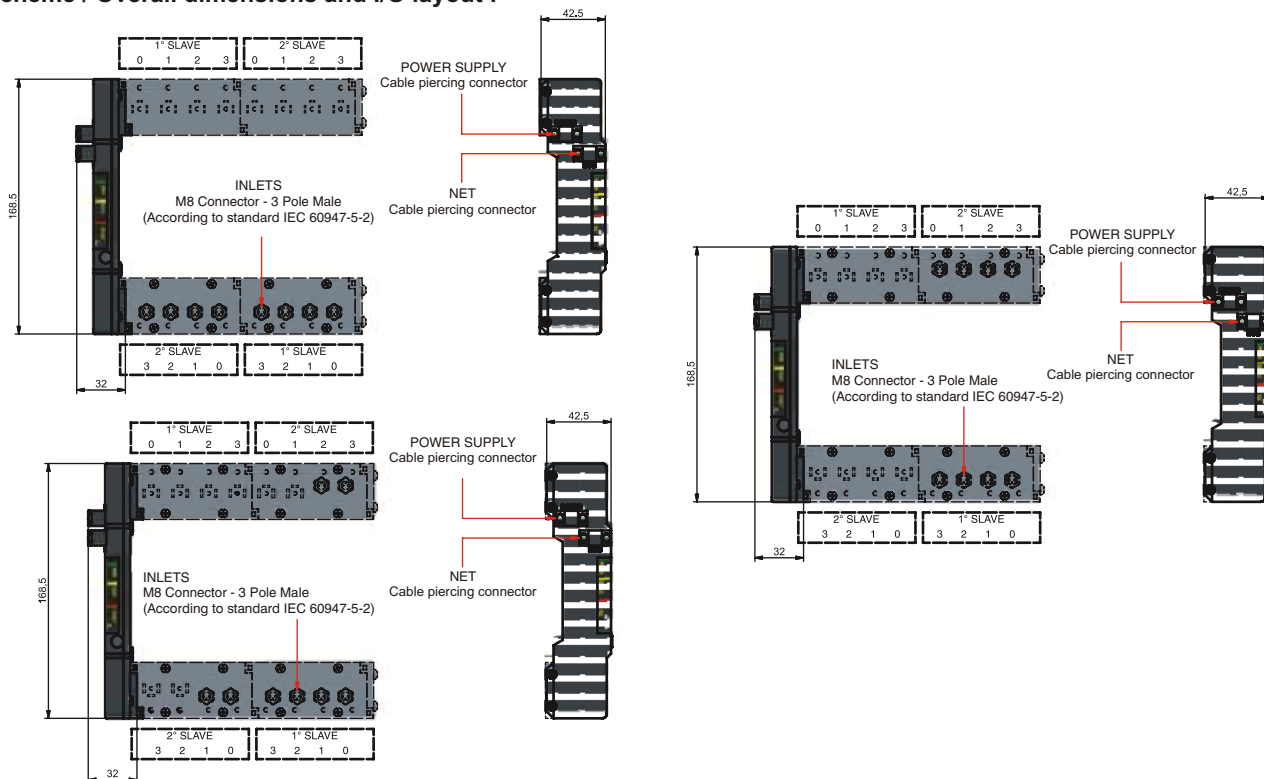
The electrical connection is achieved by means of granting IP 65 protection grade.

**Ordering code**

**24A8.37.10**










**Scheme / Overall dimensions and I/O layout :**



**Technical characteristics**

	Model	24A8.37.10
	Protocol	AS-Interface
	Spec	Version 2.1 Rev 1
	External casing	Reinforced technopolymer
<b>Power supply</b>	Power supply connection	Cable piercing connector
	Bus power supply voltage (yellow cable)	+26,5 VDC...31,6 VDC
	Outlets power supply voltage (black cable)	+24 VDC +/- 10%
<b>Outlets</b>	PNP equivalent outlet	+24VDC
	Maximum outlet current	300 mA
	Maximum outlets n.	8
	Maximum n. outlets that can be actuated simult.	8
<b>Inlets</b>	PNP 8 equivalent inlets	+24VDC+/-10%
	Maximum current each inlet	20mA
	Inlet connections	Circular connector M8 3 female poles
<b>Net</b>	Connection to net	Cable piercing connector
	Transmission speed	167 Kbit/s
	Maximum n. of node	31 or 62 with extended system
	Maximum bus length	100m
	Diagnosi bus	Green led - red - yellow
<b>ASI DATA</b>	Code ID = 0H	
	Code IO = 7H	
	Profile S-7.0	
	Protection degree	IP65 (node and connector mounted)
	Ambient temperature	from -0° to +50° C



<p><b>Outlet module 4 positions</b></p> <hr/> <p>Ordering code</p> <hr/> <p>24A4.04.10 Module 4 OUT left 24A4.04.11 Module 4 OUT right</p>				<p><b>Inlets module 4 positions</b></p> <hr/> <p>Ordering code</p> <hr/> <p>24A4.14.10 Module 4 IN left 24A4.14.11 Module 4 IN right</p>			
<p><b>Outlet module 2 positions</b></p> <hr/> <p>Ordering code</p> <hr/> <p>24A2.02.10 Module 2 OUT left 24A2.02.11 Module 2 OUT right</p>				<p><b>Inlets module 2 positions</b></p> <hr/> <p>Ordering code</p> <hr/> <p>24A2.12.10 Module 2 IN left 24A2.12.11 Module 2 IN right</p>			
<p><b>Module 2+2 positions</b></p> <hr/> <p>Ordering code</p> <hr/> <p>24A2.04.10 Module 2 OUT + 2 IN left 24A2.04.11 Module 2 OUT + 2 IN right</p>				<p><b>Closing plate electrical positions</b></p> <hr/> <p>Ordering code</p> <hr/> <p><b>2400.15.00</b></p>		<p><b>Plug - inlet M8</b></p> <hr/> <p>Ordering code</p> <hr/> <p><b>5300.T08</b></p>	
<p><b>Plug (4 place module)</b></p> <hr/> <p>Ordering code : 2400.00</p>		<p><b>VDMA support plate</b></p> <hr/> <p>Ordering code : 2440.50</p>		<p><b>FLAT support plate</b></p> <hr/> <p>Ordering code : 2430.50</p>			
<p><b>Cable</b></p> <hr/> <p>Ordering code</p> <hr/> <p>24A0 . . .</p>							
<p>CABLE COLOUR 01 = yellow cable 02 = black cable</p>		<p>CABLE LENGH 05 = 5 m. 10 = 10 m. 20 = 20 m.</p>					