

# Series HN valve islands, Multipole and Fieldbus

Multipole connection with 25 or 37 pins

Serial connection with the most common communication protocols

Valve functions: 2x2/2; 2x3/2; 5/2; 5/3 CC



- » Valve flow: 400 and 850 NL/min
- » Modular subbases: 2 positions for valve size 10.5mm, single position for valve size 21mm
- » Subbases for monostable and bistable valves (size 10.5mm)
- » Protocols available: PROFIBUS-DP, CANopen, DeviceNet, EtherNet/IP, PROFINET, EtherCAT

Thanks to the large range of options available, the Series HN valve islands represent an excellent solution for different applications, particularly in automation systems.

Small dimensions, high flow, pneumatic and electric modularity, electric connections on boards, possibility to interface with the multi-serial node Series CX, optimization of the signal distribution thanks to subbases for monostable and bistable solenoid valves are only some of the features that make this series a particularly innovative product.

Manuals, instruction sheets and configuration files can be found on [catalogue.camozzi.com](http://catalogue.camozzi.com) or on the QR code on the label of the product.

## GENERAL DATA

<b>PNEUMATIC SECTION</b>	
Valve construction	spool with seals
Valve functions	5/2 monostable and bistable 5/3 CC 2 x 2/2 NO 2 x 2/2 NC 1 x 2/2 NC+ 1 x NO 2 x 3/2 NC 2 x 3/2 NO 1 x 3/2 NC+ 1 x 3/2 NO
Materials	spool in aluminium spool seals in HNBR other seals in NBR cartridges in brass body and end covers in technopolymer subbases in aluminium
Connections	Inlets 2 and 4, size 10,5 mm: M7, tube Ø 4, tube Ø 6, tube Ø 8 Inlets 2 and 4, size 21 mm: G1/4, tube Ø 10 Supply 1: G1/4, tube Ø 8, tube Ø 10 Supply 12/14: M7 Exhausts 3 and 5: G1/4 or with integrated silencer Exhausts 82/84: M7
Temperature	0 ÷ 50°C
Air specifications	Filtered compressed air, non lubricated, class 6.4.4 according to ISO 8573-1:2010. If lubrication is necessary, please only use oils with maximum viscosity of 32 Cst and the version with external servo-pilot supply. The servo-pilot supply air quality class must be 6.4.4 according to ISO 8573-1:2010 (do not lubricate).
Valve sizes	10.5mm (2 valves for each subbase) 21mm (1 valve for each subbase)
Working pressure	- 0,9 ÷ 10 bar
Pilot pressure	3 ÷ 7 bar 4.5 ÷ 7 bar (with working pressure exceeding 6 bar for the versions 2x2/2 and 2x3/2)
Flow rate	400 NL/min (10.5mm) 850 NL/min (21mm)
Mounting position	any position
Protection class	IP 65
<b>ELECTRICAL SECTION - MULTIPOLE VERSION</b>	
Type of Sub-D connector	25 or 37 pins
Max. absorption	0.8 A (with Sub-D connector 25 pins) 1 A (with Sub-D connector 37 pins)
Supply voltage	24 V DC +/- 10%
Max. number of coils to operate	24 on 20 valve positions (with Sub-D connector 25 pins) 32 on 28 valve positions (with Sub-D connector 37 pins)
Valve signalling	yellow led
<b>ELECTRICAL SECTION - FIELDBUS VERSION</b>	
General data	see the CX section
Max. absorption	digital outputs / analog outputs and inputs 3A digital/analog inputs 3A
Supply voltage	logic supply 24 V DC +/- 10% power supply 24 V DC +/- 10%
Max. number of coils to operate	32 on 28 valve positions

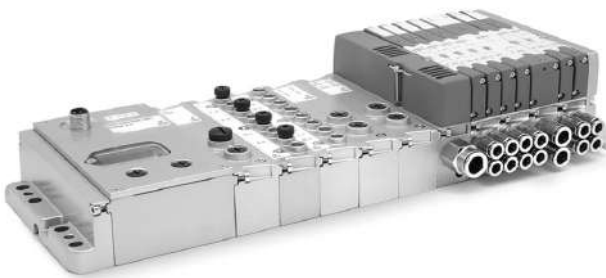
## VERSIONS: MULTIPOLE and MULTIPOLE WITH SUB-D ADAPTOR



The Multipole version can be connected in a quick and secure way thanks to the electrical connection by means of a pre-wired cable with 25 or 37 pins with in-line or angular connection. It is possible to create zones with differentiated power supply and with separate pressure/exhaust. Thanks to the subbases with monostable board, islands can be realized up to maximum of 24 coils on 20 valve positions with the 25 pin connection and 32 coils on 28 valve positions with the 37 pin connection.

The Multipole Island of both 25 pins and 37 pins can be connected by means of a Sub-D adaptor, also of 25 or 37 pins. In this way a standard Multipole Island can be inserted as expansion in the subnet of the Serial version.

## VERSIONS: FIELD BUS WITH CPU MODULE AND EXPANSION FIELD BUS



Thanks to the Series CX Multi-serial node and a special direct interface module with the pneumatic part of the island, it is possible to interface the Series HN with the PROFIBUS-DP, DeviceNet, CANopen, PROFINET, EtherCAT and EtherNet/IP serial protocols. The Fieldbus version with CPU has the same configuration rules of a Multipole island and can be equipped with different electric modules like digital/analog inputs/outputs of 0-10V and 4-20mA, as well as initial subnet Modules.

It is possible to insert Initial Subnet Modules in the version with CPU module. These Modules enable to create a subnet with tree structure or in series. On the subnet you can connect Expansion Islands. These expansions have the same possibilities to use the different electric modules, like digital and analog inputs and outputs and further Initial Subnet Modules. Also with this version the same rules as the CPU module and Multipole apply.

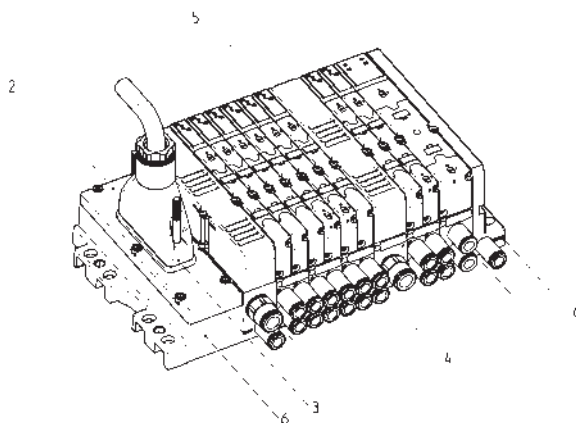
## MULTIPOLE VERSION CODING EXAMPLE

<b>HN</b>	<b>5</b>	<b>M</b>	<b>-</b>	<b>03A</b>	<b>-</b>	<b>2Q4AZ2A</b>	<b>-</b>	<b>2B8M4C</b>	<b>-</b>	<b>A</b>
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<b>HN</b>	SERIES									
<b>5</b>	SIZE: 1 = 10.5 2 = 21 5 = Mixed									
<b>M</b>	ELECTRICAL CONNECTION: M = Multipole 25 pin PNP N = Multipole 25 pin NPN H = Multipole 37 pin PNP L = Multipole 37 pin NPN									
<b>03A</b>	CONNECTION: 000 = without connector/cable <div>             CONNECTOR WITH CABLE AXIAL OUTPUT:              03A = 3m              05A = 5m              10A = 10m              15A = 15m              20A = 20m              25A = 25m           </div> <div>             CONNECTOR WITH CABLE RADIAL OUTPUT:              03R = 3m              05R = 5m              10R = 10m              15R = 15m              20R = 20m              25R = 25m           </div> CONNECTOR WITHOUT CABLE: 4XA = 25 pins axial 4XR = 25 pins radial 9XA = 37 pins axial 9XR = 37 pins radial									
<b>2Q4AZ2A</b>	SUBBASES FOR 2 SOLENOID VALVES SIZE 1 (*): A (AZ) = M7 threads B (BZ) = 4 fittings for tube Ø4 C (CZ) = 4 fittings for tube Ø6 D (DZ) = channel 1, 3, 5 closed; M7 threads E (EZ) = channel 1, 3, 5 closed; fittings tube Ø4 F (FZ) = channel 1, 3, 5 closed; fittings tube Ø6 G (GZ) = channel 3, 5 closed; M7 threads H (HZ) = channel 3, 5 closed; fittings tube Ø4 I (IZ) = channel 3, 5 closed; fittings tube Ø6 L (LZ) = channel 1 closed; M7 threads M (MZ) = channel 1 closed; fittings tube Ø4 N (NZ) = channel 1 closed; fittings tube Ø6  (*) Subbases with "Z" at the end of their code are used with monostable solenoid valves  FOR SOLENOID VALVES SIZE 2: P = G1/4 threads Q = G1/8 threads R = fittings for tube Ø6 S = fittings for tube Ø8 J = fittings for tube Ø10									
<b>2B8M4C</b>	SOLENOID VALVES Size 1 and 2: 0 = island without solenoid valves M = 5/2 Monostable B = 5/2 Bistable V = 5/3 Centres Closed C = 2 x 3/2 NC A = 2 x 3/2 NO G = 1 x 3/2 NC + 1 x 3/2 NO E = 2 x 2/2 NC F = 2 x 2/2 NO I = 1 x 2/2 NC + 1 x 2/2 NO L = free position <div>             SOLENOID VALVE + PRESSURE REGULATOR              on channel 1 (size 2 only):              N = 5/2 Monostable              P = 5/2 Bistable              Q = 5/3 Centres Closed              R = 2 x 3/2 NC              S = 2 x 3/2 NO              T = 1 x 3/2 NC + 1 x 3/2 NO              U = 2 x 2/2 NC              X = 2 x 2/2 NO              Y = 1 x 2/2 NC + 1 x 2/2 NO           </div>									
<b>A</b>	THREADED TERMINAL PLATES: A = 1, 12/14 in common 3/5, 82/84 threaded ports B = 1, 12/14 separated 3/5, 82/84 threaded ports C = 1, 12/14 in common 3/5, 82/84 with integrated silencer D = 1, 12/14 separated 3/5, 82/84 with integrated silencer  TERMINAL PLATES with FITTINGS FOR TUBE Ø 8 on PORT 1: E = 1, 12/14 in common 3/5, 82/84 conveyable F = 1, 12/14 separated 3/5, 82/84 conveyable G = 1, 12/14 in common 3/5, 82/84 with integrated silencer H = 1, 12/14 separated 3/5, 82/84 with integrated silencer  TERMINAL PLATES with FITTINGS FOR TUBE Ø 10 on PORT 1: I = 1, 12/14 in common 3/5, 82/84 conveyable L = 1, 12/14 separated 3/5, 82/84 conveyable M = 1, 12/14 in common 3/5, 82/84 with integrated silencer N = 1, 12/14 separated 3/5, 82/84 with integrated silencer									

In presence of identical consequent codes both for the subbases as for the valves you need to substitute the letter with the number.  
 Ex: HN5M-03A-ABCS-MMCCBBB-A is converted to HN5M-03A-ABCS-2M2C3B-A.

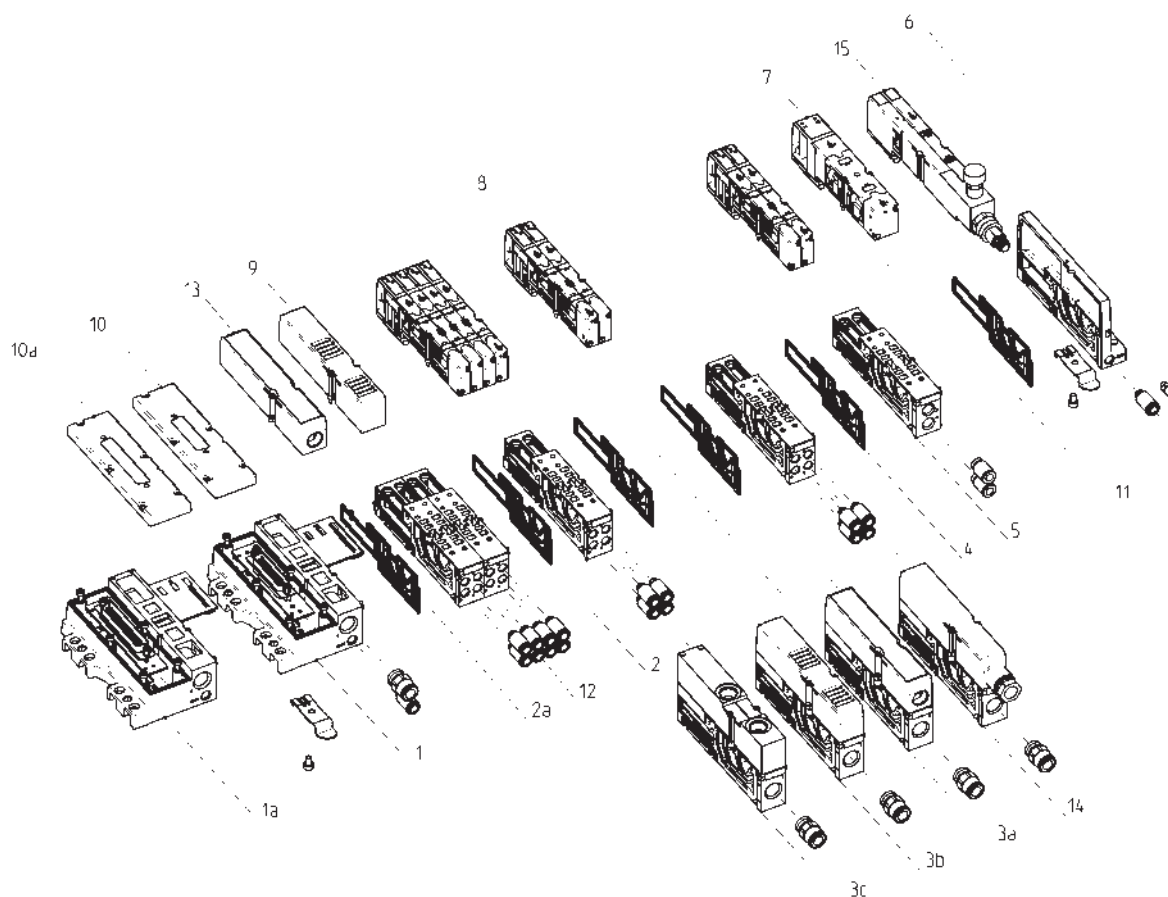
# MULTIPOLE VERSION CODING



1 2 3 4 5 6  
H N 5 M - 0 3 A - 3 B X B R - 2 M 2 B M X M V C - D

HN...					
SIZE (1)	ELECTRICAL CONNECTION (2)	CONNECTION (3)	SUBBASES for 2 solenoid valves, size 1 (4)	SOLENOID VALVES Size 1 and 2 (5)	THREADED TERMINAL PLATES (6)
1	M	000	A / AZ	O	A
2	N	03A	B / BZ	M	B
5	H	05A	C / CZ	B	C
	L	10A	D / DZ	V	D
		15A	E / EZ	C	TERMINAL PLATES fittings for tube Ø8, on port 1
		20A	F / FZ	A	E
		25A	G / GZ	G	F
		03R	H / HZ	E	G
		05R	I / IZ	F	H
		10R	L / LZ	I	TERMINAL PLATES fittings for tube Ø10, on port 1
		15R	M / MZ	L	I
		20R	N / NZ		L
		25R	SUBBASES for solenoid valves, size 2	SOL. VALVE + PRESS. REG. channel 1, size 2 only	M
		4XA	Q	N	N
		4XR	R	P	
		9XA	S	Q	
		9XR	P	R	
			J	S	
			SUBBASES FOR PNEUMATIC SUPPLY	T	
			X	U	
			Y	X	
			W	Y	
			SUBBASES FOR ELECTRICAL SUPPLY		
			K		
			SEALS		
			T		
			U		
			V		

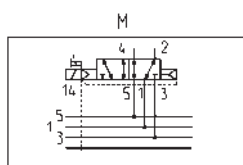
## MULTIPOLE version COMPONENTS



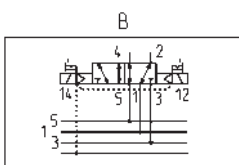
### COMPONENTS

1	Electric interface group Multipole 25 pin	7	Solenoid valve, size 2
1a	Electric interface group Multipole 37 pin	8	Solenoid valve, size 1
2	Threaded subbase, size 10.5 - modularity 2	9	Cover with silencer
2a	Subbases without electric board	10	Multipole electric cover 25 pins
3a	Conveyable plate for supply and supplementary exhaust	10a	Multipole electric cover 37 pins
3b	Plate for supply and exhaust with silencer	11	Mounting bracket for DIN rail
3c	Plate for supply from exhausts	12	Quick-release fittings
4	Interface seals	13	Cover to convey exhausts 3 and 5
5	Threaded subbase, size 21 - modularity 1	14	Module to separate electrical supply and supplementary pneumatic supply
6	Right terminal (HAOT-H)	15	Valve size 10.5 with incorporated pressure regulator

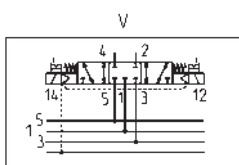
## AVAILABLE FUNCTION - SYMBOLS FOR SOLENOID VALVES



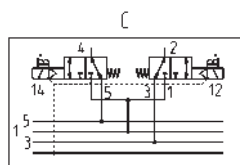
M = 5/2-way, Monostable



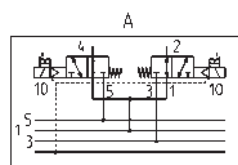
B = 5/2-way, Bistable



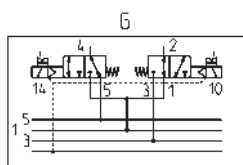
V = 5/3-way Centres Closed



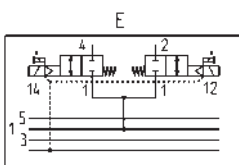
C = 2 x 3/2-way NC



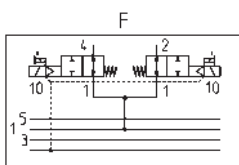
A = 2 x 3/2-way NO



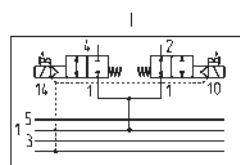
G = 1 x 3/2-way NC +  
1 x 3/2-way NO



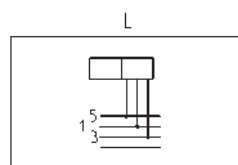
E = 2 x 2/2-way NC



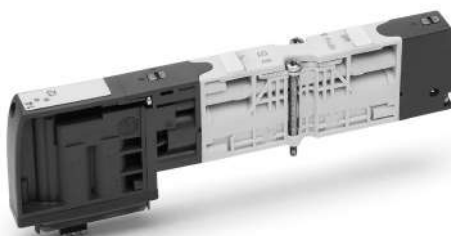
F = 2 x 2/2-way NO



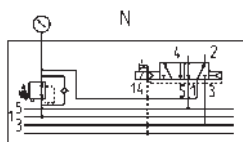
I = 1 x 2/2-way NC +  
1 x 2/2-way NO



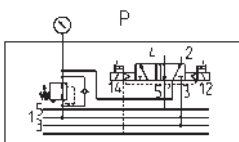
L = free position



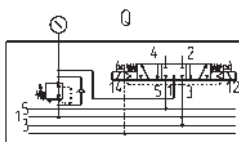
## AVAILABLE FUNCTIONS - SYMBOLS FOR SOLENOID VALVES WITH PRESSURE REGULATOR



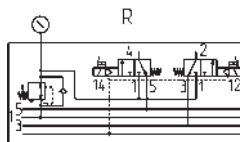
N = 5/2-way, Monostable



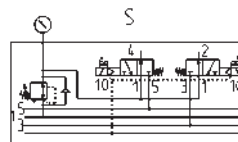
P = 5/2-way, Bistable



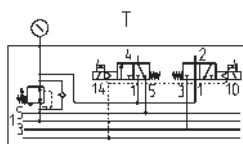
Q = 5/3-way Centres Closed



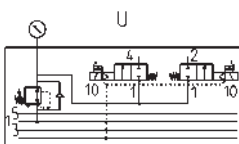
R = 2 x 3/2-way NC



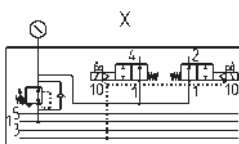
S = 2 x 3/2-way NO



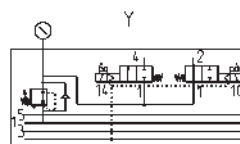
T = 1 x 3/2-way NC +  
1 x 3/2-way NO



U = 2 x 2/2-way NC



X = 2 x 2/2-way NO



Y = 1 x 2/2-way NC +  
1 x 2/2-way NO



It can be assembled on subbase size 21 only.

# AVAILABLE FUNCTIONS - SUBBASE TYPES



Through-subbase s. 10.5  
A=M7, B=Ø4, C=Ø6 [\*]

Diaphragm lines 1, 3 5  
D=M7, E=Ø4, F=Ø6 [\*]

Diaphragm line 1  
L=M7, M=Ø4, N=Ø6 [\*]

Diaphragm lines 3, 5  
G=M7, H=Ø4, I=Ø6 [\*]

Through-subbase s. 21  
Q = 1/8, R = Ø6, S = Ø8



X = supplementary supply  
and exhaust

K/KZ = interm. plate to  
sep. elec. and suppl.

Y = suppl. supply +  
exhaust with silencer

Z = electro-pneum.  
interface for HP...F/G/R

W = plate for supply from  
exhausts

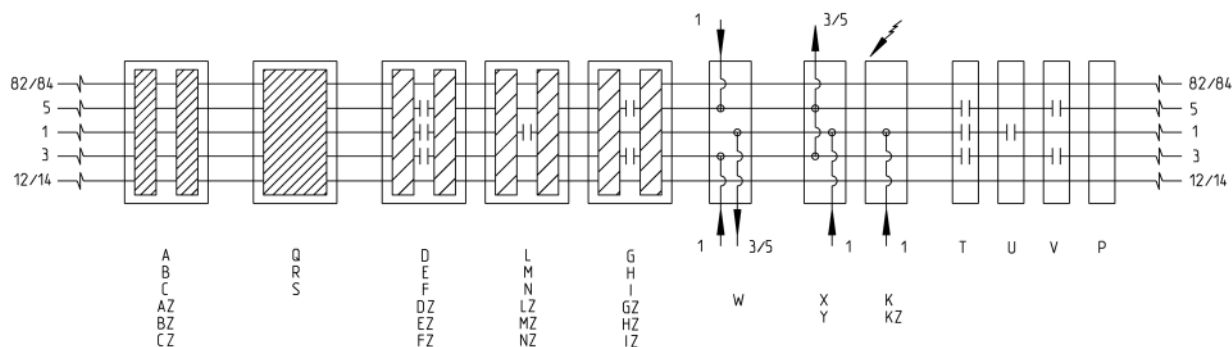


U = Diaphragm seal - Line  
1

V = Diaphragm seal - Lines  
3, 5

P = Through seal

T = Diaphragm seal - Lines  
1, 3, 5

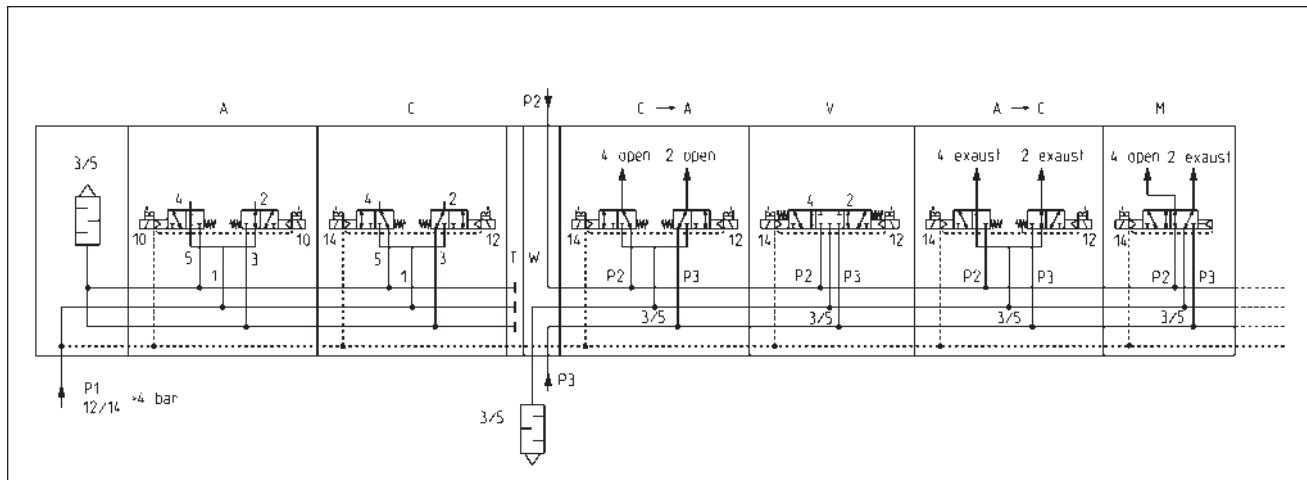


[\*] The subbases A, B, C, D, E, F, G, H, I, L, M, N are available also with a board to be used with monostable solenoid valves. To order this version it is necessary to add Z at the end of the code of the standard subbase. Example: AZ instead of A. For further details we suggest you to see the coding example.



## PROPER USE OF VALVE FUNCTIONS WITH INTERMEDIATE PLATE TYPE W

The intermediate plate cod. W is composed by a subbase which is equipped with a upper connection bracket. On this bracket there are two connections on which it is possible to apply two different pressures (ex. P2 and P3). In this configuration, the connection 1 on the subbase represents the exhaust 3/5. With this plate it is possible to supply the valves positioned downstream through the exhausts 3 and 5. When supplied from the exhausts, these valves have a different function compared with the ones supplied in the standard way. Some examples: Solenoid valve mod. C at rest has outlets 2 and 4 active and corresponds to model "A", in presence of electrical inputs 12 and 14 outlets 2 (P3) and 4 (P2) close respectively; the configuration of solenoid valve mod. V at rest doesn't change, in presence of electrical input 12 outlet 4 (P2) is activated, in presence of electrical input 14 outlet 2 (P3) is activated; outlets 2 and 4 are closed in solenoid valve mod. A at rest which corresponds to model "C", in presence of electrical inputs 12 and 14 outlets 2 (P3) and 4 (P2) open respectively; outlet 4 (P2) is active in solenoid valve mod. M at rest, in presence of electrical input 14 the active outlet becomes outlet 2 (P3). All the valve functions, both 10.5 and 21 sizes, have this different operation. Solenoid valves with an integrated pressure regulator can't be used after an intermediate plate W. This plate requires in the initial part of the valve island a supply pressure of 4 bar at least. Otherwise, it is necessary to use the version with external servo pilot supply and apply a pressure of at least 4 bar on the connection 12/14. It is necessary to insert a seal type T before plate W.



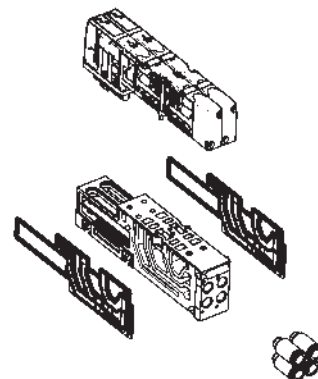
## SUBBASES WITH MONOSTABLE BOARD

The subbases for valves Size 1 (10.5 mm) are set for housing 2 solenoid valves that may be both with double solenoid. Each subbase uses 4 electric signals. Even in case of monostable solenoid valves the subbase uses 4 electrical signals. To increase the number of valve positions that can be connected with a single Sub-D connector, all the subbases Size 1 can add "Z" at the end of their code thus using 2 electrical signals. They are, therefore, suitable for the connection of monostable solenoid valves.

Examples:

Code A --> AZ with board for monostable solenoid valves

Code N --> NZ with board for monostable solenoid valves



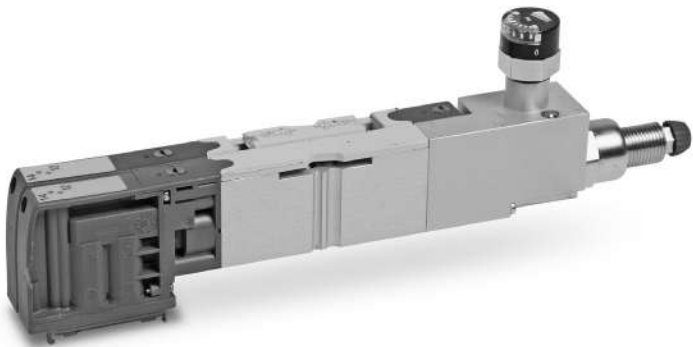
MODULE TO SEPARATE ELECTRIC AND PNEUMATIC SUPPLY HA0M-K AND HA0R-KZ



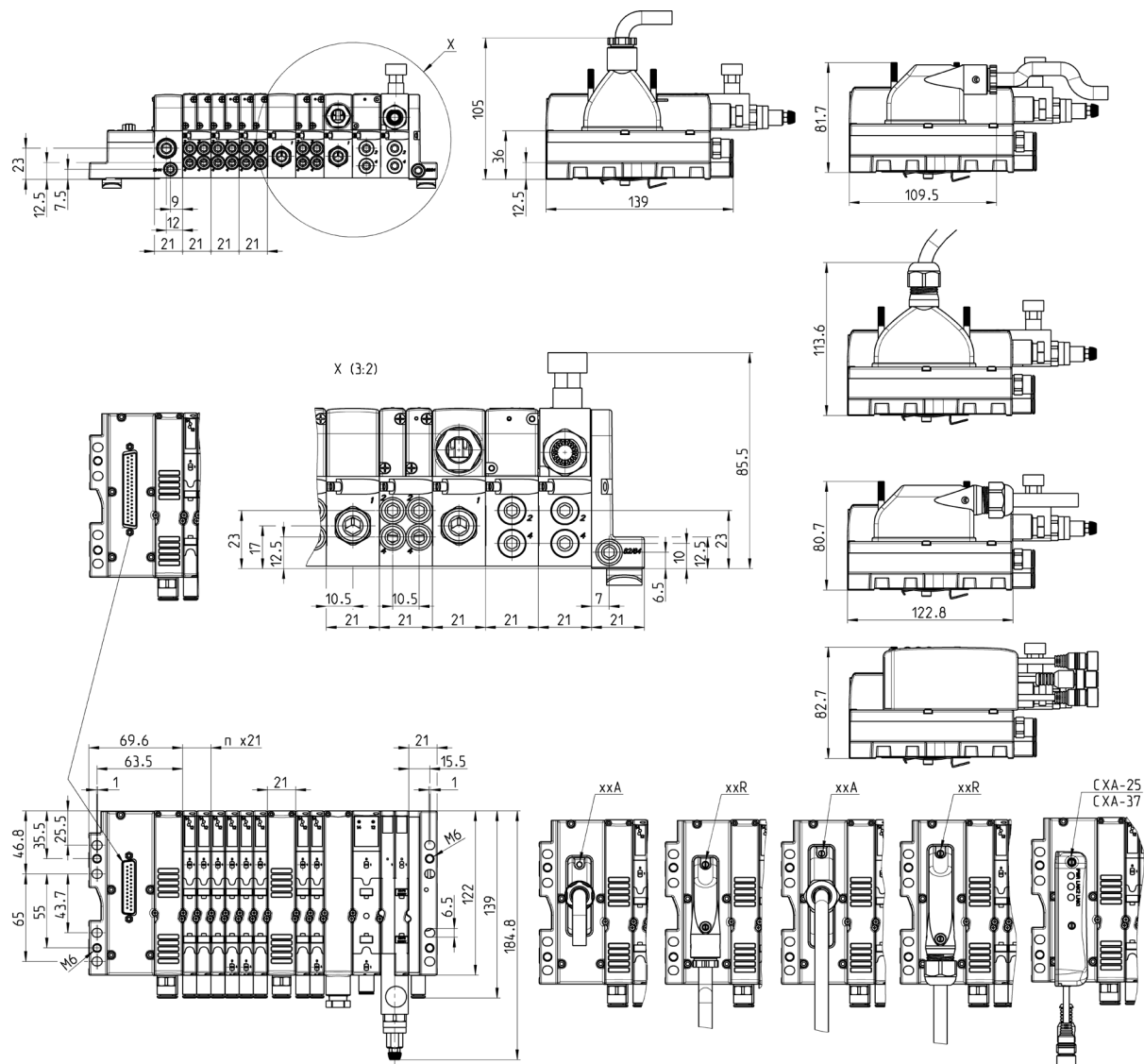
GENERAL DATA		
	K	KZ
Connection	3 poles terminal block to be wired	
Dimensions	130 x 20 mm	
Signalling	None	
Supply	24 V DC (+/- 10%)	
Electrical protection	Fuse 2 A	
Protection class	IP 65	
Temperature	0°C ÷ 50°C	
Material	Plastics - Aluminium	
Weight	100 g	

VALVE WITH INTEGRATED PRESSURE REGULATOR HP2V

This solution has the advantage of reducing the valve island's overall height compared to traditional "sandwich" solutions. The pressure regulator allows to set the supply pressure of the lateral valve.



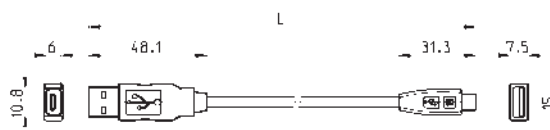
## MULTIPOLE version 25 and 37 pin DIMENSIONS



## USB to Micro USB cable Mod. G11W-G12W-2



For the hardware configuration  
of the Camozzi products

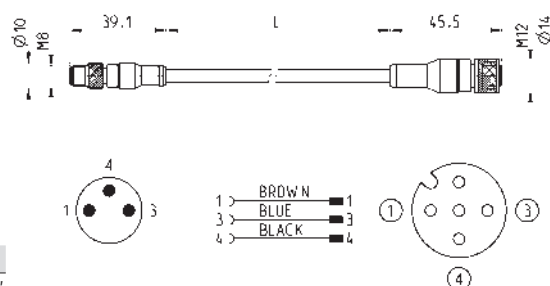


Mod.	description	connections	material for outer sheath	cable length "L" (m)
<b>G11W-G12W-2</b>	black shielded cable 28 AWG	standard USB to Micro USB	PVC	2

## Adapter cable, M8 3-pin male - M12 4-pin female



Protection class: IP69K

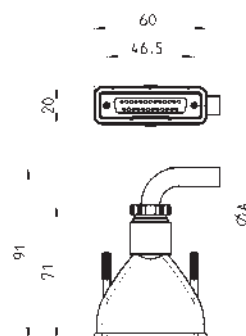


Mod.	description	max voltage	max current	Nr conn. wires	connections	outer sheath	cable "L" (m)
<b>CS-AG03HB-C250</b>	3-pin cable 24 AWG, high flexibility	50V AC / 60V DC	3 A	3	M8 3-pin male - M12 4-pin fem.	PUR black	2.5
<b>CS-AG03HB-C500</b>	3-pin cable 24 AWG, high flexibility	50V AC / 60V DC	3 A	3	M8 3-pin male - M12 4-pin fem.	PUR black	5

## Straight Sub-D 25 pin female connector with axial cable



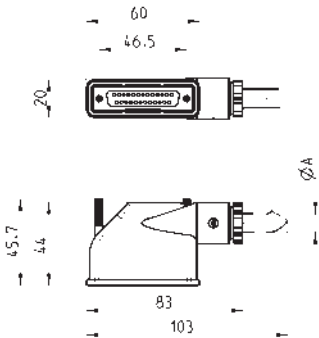
Protection class IP65



Mod.	øA	PIN	cable length (m)
<b>G3X-3</b>	7.7	16	3
<b>G3X-5</b>	7.7	16	5
<b>G3X-10</b>	7.7	16	10
<b>G3X-15</b>	7.7	16	15
<b>G3X-20</b>	7.7	16	20
<b>G3X-25</b>	7.7	16	25
<b>G4X-3</b>	9	25	3
<b>G4X-5</b>	9	25	5
<b>G4X-10</b>	9	25	10
<b>G4X-15</b>	9	25	15
<b>G4X-20</b>	9	25	20
<b>G4X-25</b>	9	25	25

## Right angle Sub-D 25 pin female connector with radial cable

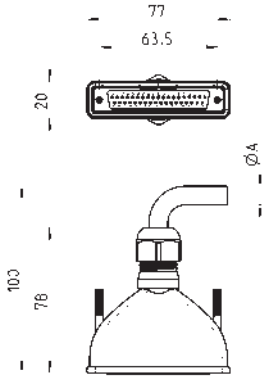
Protection class IP65



Mod.	gA	PIN	cable length (m)
G3X1-3	7.7	16	3
G3X1-5	7.7	16	5
G3X1-10	7.7	16	10
G3X1-15	7.7	16	15
G3X1-20	7.7	16	20
G3X1-25	7.7	16	25
G4X1-3	10	25	3
G4X1-5	10	25	5
G4X1-10	10	25	10
G4X1-15	10	25	15
G4X1-20	10	25	20
G4X1-25	10	25	25

## Straight Sub-D 37 pin female connector with axial cable

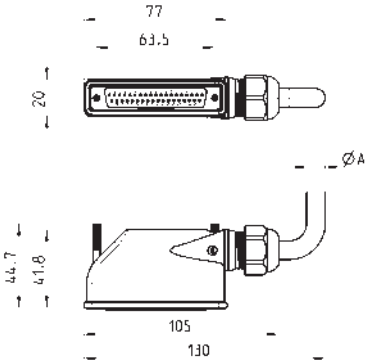
Protection class IP65



Mod.	gA	PIN	cable length (m)
G9X-3	12	37	3
G9X-5	12	37	5
G9X-10	12	37	10
G9X-15	12	37	15
G9X-20	12	37	20
G9X-25	12	37	25

## Right angle Sub-D 37 pin female connector with radial cable

Protection class IP65

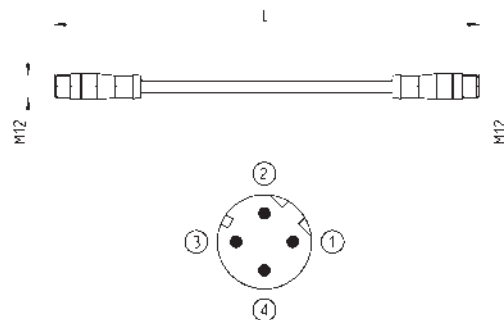


Mod.	gA	PIN	cable length (m)
G9X1-3	12	37	3
G9X1-5	12	37	5
G9X1-10	12	37	10
G9X1-15	12	37	15
G9X1-20	12	37	20
G9X1-25	12	37	25

## Cables with straight connectors



For PROFINET, EtherCAT, EtherNet/IP and for the subnet

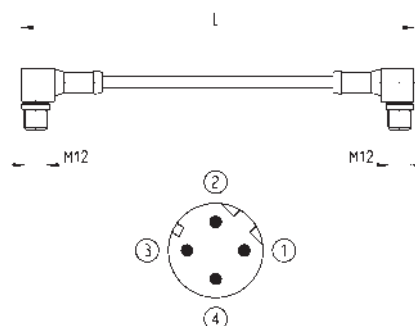


Mod.	description	type of connector	connection	L [ cable length ] (m)
CS-SB04HB-D100	moulded cable	straight	2x M12 D 4 pin male	1
CS-SB04HB-D500	moulded cable	straight	2x M12 D 4 pin male	5
CS-SB04HB-DA00	moulded cable	straight	2x M12 D 4 pin male	10
CS-SB04HB-DD00	moulded cable	straight	2x M12 D 4 pin male	15
CS-SB04HB-DG00	moulded cable	straight	2x M12 D 4 pin male	20
CS-SB04HB-DJ00	moulded cable	straight	2x M12 D 4 pin male	25

## Cables with 90° angular connectors



For PROFINET, EtherCAT, EtherNet/IP and for the subnet



Mod.	description	type of connector	connection	L [ cable length ] (m)
CS-SC04HB-D100	moulded cable	90°	2x M12 D 4 pin male	1
CS-SC04HB-D500	moulded cable	90°	2x M12 D 4 pin male	5
CS-SC04HB-DA00	moulded cable	90°	2x M12 D 4 pin male	10
CS-SC04HB-DD00	moulded cable	90°	2x M12 D 4 pin male	15
CS-SC04HB-DG00	moulded cable	90°	2x M12 D 4 pin male	20
CS-SC04HB-DJ00	moulded cable	90°	2x M12 D 4 pin male	25

## M8 and M12 connector cover caps



For digital and analog input/output modules and subnet



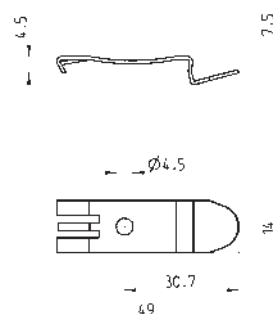
Mod.	A	B	C [ Connection ]
CS-DFTP	10	11	M8
CS-LFTP	13.5	13	M12

## Mounting brackets for DIN rail



DIN EN 50022 (mm 7,5 x 35 - width 1)

Supplied with:  
2x plates  
2x screws M4x6 UNI 5931



Mod.
PCF-E520

## CODING EXAMPLE OF MULTIPOLE AND FIELD BUS INTERFACES - Accessories

<b>HN</b>	<b>A</b>	<b>0</b>	<b>M</b>	<b>-</b>	<b>A</b>
<b>HN</b>	SERIES				
<b>A</b>	TYPE: A = Accessory				
<b>0</b>	SIZE: 0 = not defined				
<b>M</b>	ELECTRICAL CONNECTION: M = 25 pin PNP Multipole N = 25 pin NPN Multipole H = 37 pin PNP Multipole L = 37 pin NPN Multipole I = HN interface with Series CX				
<b>A</b>	TERMINALS: A = 1, 12/14 in common - 3/5, 82/84 with thread B = 1, 12/14 separated - 3/5, 82/84 with thread C = 1, 12/14 in common - 3/5, 82/84 with silencer D = 1, 12/14 separated - 3/5, 82/84 with silencer  NOTE: The Right Terminal is supplied with seals and fixing screws and available as accessory with the commercial code HA0T-H				

Detailed descriptions of the available accessories can be found in the components list on page 1.40.08 (Multipole version) e 1.40.09 (Fieldbus version)

## CODING EXAMPLE OF SINGLE VALVE (Spare part)

<b>H</b>	<b>P</b>	<b>1</b>	<b>V</b>	<b>-</b>	<b>M</b>
<b>H</b>	SERIES				
<b>P</b>	TYPE: P = pneumatic				
<b>1</b>	SIZE: 1 = 10.5 2 = 21				
<b>V</b>	TYPE OF ACCESSORY: V = Solenoid valve				
<b>M</b>	<div>SOLENOID VALVE:</div> <div>M = 5/2 Monostable</div> <div>B = 5/2 Bistable</div> <div>V = 5/3 Centres Closed</div> <div>C = 2 x 3/2 NC</div> <div>A = 2 x 3/2 NO</div> <div>G = 1 x 3/2 NC + 1 x 3/2 NO</div> <div>E = 2 x 2/2 NC</div> <div>F = 2 x 2/2 NO</div> <div>I = 1 x 2/2 NC + 1 x 2/2 NO</div> <div>L = free position</div> <div>SOLENOID VALVE + REGULATOR + SUBBASE</div> <div>N = 5/2 Monostable</div> <div>P = 5/2 Bistable</div> <div>Q = 5/3 Centres Closed</div> <div>R = 2 x 3/2 NC</div> <div>S = 2 x 3/2 NO</div> <div>T = 1 x 3/2 NC + 1 x 3/2 NO</div> <div>U = 2 x 2/2 NC</div> <div>X = 2 x 2/2 NO</div> <div>Y = 1 x 2/2 NC + 1 x 2/2 NO</div>				

Detailed descriptions of the available accessories can be found in the components list on page 1.40.08 (Multipole version) e 1.40.09 (Fieldbus version)

## CODING EXAMPLE OF SUBBASES - Accessories

<b>H</b>	<b>A</b>	<b>1</b>	<b>R</b>	<b>-</b>	<b>A</b>
<b>H</b>	SERIES				
<b>A</b>	TYPE: A = accessories				
<b>1</b>	SIZE: 0 = for X-Y-K-T-U-V-Z 1 = 10.5 2 = 21				
<b>S</b>	TYPE OF ACCESSORY: R = subbase for multipole connection G = seal W = subbase without electronic board (option valid only for position 2a. See the components list on page 1.40.08 - Multipole version - and 1.40.09 - Fieldbus version)				
<b>A</b>	<div> <div> <b>SUBBASE:</b>  A = through - M7 threads  AZ = through - M7 threads, monostable  D = channel 1, 3, 5 closed - M7 threads  DZ = channel 1, 3, 5 closed - M7 threads, monostable  G = channel 3, 5 closed - M7 threads  GZ = channel 3, 5 closed - M7 threads, monostable  P = through - G1/4 threads  Q = through - G1/8 threads  X = supplementary supply and exhaust  Y = supplementary supply and exhaust with integrated silencer  W = supply from the exhausts  K = separation of electrical supply and supplementary pneumatic supply </div> <div> <b>SEAL:</b>  T = diaphragm seal for the closure of channels 1, 3, 5  U = diaphragm seal for the closure of channel 1  V = diaphragm seal for the closure of channels 3, 5  P = through </div> </div>				

Detailed descriptions of the available accessories can be found in the components list on page 1.40.08 (Multipole version) e 1.40.09 (Fieldbus version)  
NOTE: subbases are always supplied without connection fittings.