DIRECT ACTING SOLENOID VALVES
SERIES PN

3/2-way - Normally Closed (NC)



- Can be mounted on a single base (M5 connections) or on manifold (M5 connections or fittings for Ø3 or Ø4 tube).
- Compact design suitable for use in reduced mounting space

Series PN direct acting solenoid valves are available as 3/2-way NC.

Please note that all Series PN solenoid valves are supplied with direct current (DC).
To operate in alternating current (AC), it is necessary to use the connector with bridge rectifier Mod. 125-900.

General Data

Technical characteristics	
Function	3/2 NC
Operation	Direct acting poppet type
Connection	On subbase with ISO 12238 interface
Orifice diameter	0.8 mm
Flow coefficient Kv	0.19
Operating pressure	0 ÷ 10 bar
Operating temperature [°C]	0 ÷ +50°C
Medium	Filtered air class [5:4:4] according to ISO 8573-1:2010 (max oil viscosity 32 cSt), inert gas
Response time (ISO 12238)	ON <10 ms - OFF <15 ms
Installation	In any position

Materials in contact with the medium	
Body	PBT
Seals	FKM - NBR
Internal parts	Stainless steel

Electrical characteristics	
Voltage output	24 ... 205 V DC - Other voltages on demand
Voltage tolerance	±10%
Power consumption	1 ... 2 W
Duty cycle	ED 100%
Electrical connection	Industrial standard connector (9.4 mm)
Protection class	IP65 with connector

Special versions available on demand

Products designed for industrial applications. General terms and conditions for sale are available on www.camozzi.com
This document contains a description of the products offered by Camozzi Automation at time of publication.
For more complete and up to date information about the Camozzi Automation product range, please refer to our online catalogue at https://shop.camozzi.com

DIRECT ACTING SOLENOID VALVES
SERIES PN - CODING EXAMPLES

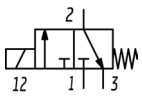
Coding example

PN	0	00	-	3	0	1	-	P	5	3

PN	SERIES
0	BODY DESIGN 0 = without sub-base/manifolds or with single sub-base 1 = manifold - valves single side 2 = manifold - valves double side
00	NUMBER OF POSITIONS 00 = without sub-base/manifolds 01 = Single sub-base (M5 only) 02 ÷ 98 = manifold number of positions (single max 86 positions – double max 98 positions)
3	NUMBER OF WAYS - FUNCTIONS 3 = 3/2-way - NC
0	VALVE PORTS 0 = ISO 15218 interface SINGLE SUB-BASE CONNECTIONS 2 = M5 thread MANIFOLD PORTS for P - PL - PN - W Series 02 = M5 thread - front outlets 03 = Tube Ø 3 mm fittings - front outlets 04 = Tube Ø 4 mm fittings - front outlets 06 = M5 thread - bottom outlets 07 = Tube Ø 3 mm fittings - bottom outlets 08 = Tube Ø 4 mm fittings - bottom outlets
1	ORIFICE DIAMETER 1 = Ø 0.8 mm
P	MATERIALS P = PBT body - seals FKM - NBR
5	ELECTRICAL CONNECTION 5 = Industrial standard (9.4 mm)
3	VOLTAGE - POWER CONSUMPTION 3 = 24 V DC - 1 W 4 = 48 V DC - 2 W 6 = 110 V DC - 2 W 7 = 205 V DC - 1.7 W
	FIXING = Fixing screws for plastic M = Fixing screws for metal

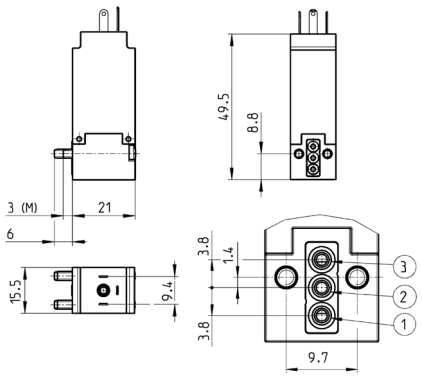
Series PN solenoid valve - 3/2-way NC





EV03

Supplied with:
1x interface seal
2x Ø3x25 screws for mounting on plastic
2x M3x22 screws for mounting on metal



Mod.	Function	Orifice Ø [mm]	Kv [l/m]	Min÷max pressure [bar]	Voltage Power
PN000-301-P53*	3/2 NC	0,8	0,19	0 ÷ 10	24 V DC 1 W
PN000-301-P54*	3/2 NC	0,8	0,19	0 ÷ 10	48 V DC 2 W
PN000-301-P56*	3/2 NC	0,8	0,19	0 ÷ 10	110 V DC 2 W
PN000-301-P57*	3/2 NC	0,8	0,19	0 ÷ 10	205 V DC 1,7 W

* add
- FIXING (see CODING EXAMPLE)

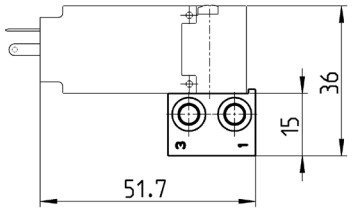
Products designed for industrial applications. General terms and conditions for sale are available on www.camozzi.com
This document contains a description of the products offered by Camozzi Automation at time of publication.
For more complete and up to date information about the Camozzi Automation product range, please refer to our online catalogue at https://shop.camozzi.com

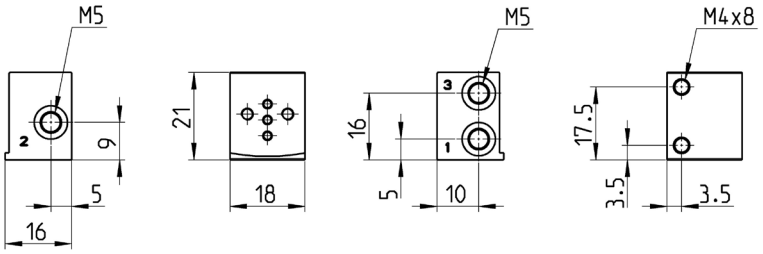
Single sub-base for 3-way solenoid valve size 15 mm



Material: anodized aluminium
Connections: M5 threads

Single sub-base suitable for 3-way solenoid valve
Use solenoid valves with screws for mounting on metal (see coding)





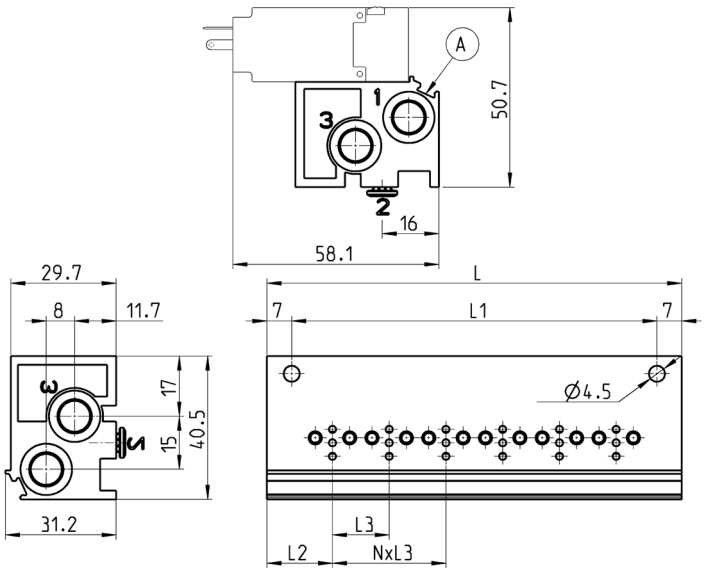
Mod.
P001-02

Manifold - single side valve - bottom outlets



Material: anodized aluminium

Manifold suitable for 3-way solenoid valve
Use solenoid valves with screws for mounting on metal (see coding)



Mod.	Positions	L	L1	L2	L3	1 [P]	3 [R]
P102-0*	2	53	39	18,5	16	G1/8	G1/8
P103-0*	3	69	55	18,5	16	G1/8	G1/8
P104-0*	4	85	71	18,5	16	G1/8	G1/8
P105-0*	5	101	87	18,5	16	G1/8	G1/8
P106-0*	6	117	103	18,5	16	G1/8	G1/8

Products designed for industrial applications. General terms and conditions for sale are available on www.camozzi.com
This document contains a description of the products offered by Camozzi Automation at time of publication.
For more complete and up to date information about the Camozzi Automation product range, please refer to our online catalogue at https://shop.camozzi.com

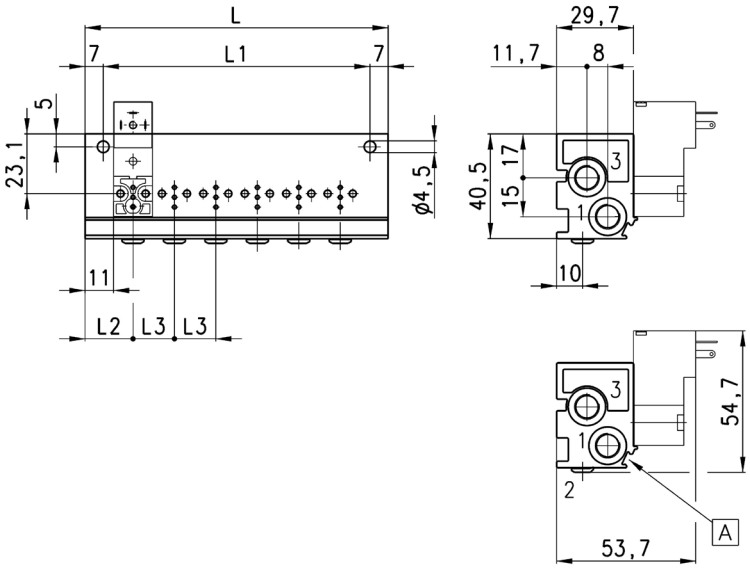
Manifold - single side valve - frontal outlets



Material: anodized aluminium

Manifold suitable for 3-way solenoid valve
Use solenoid valves with screws for mounting on metal (see coding)

Can be fixed through DIN 46277/3 guide with the accessory PCF-E520.



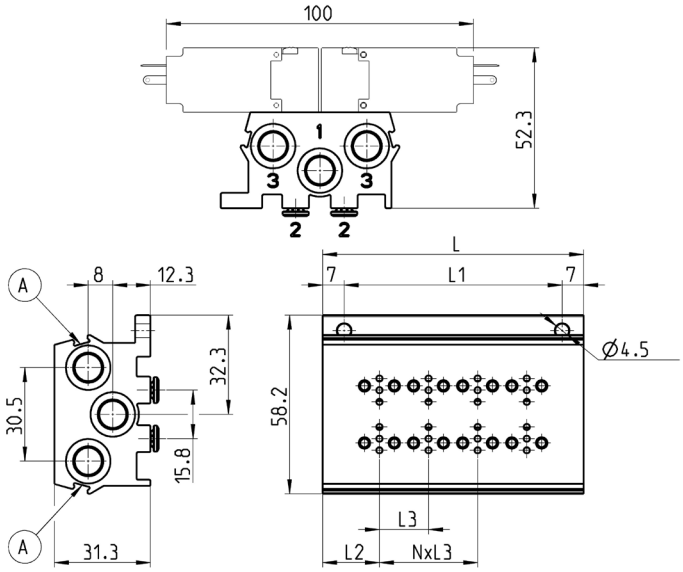
Mod.	Positions	L	L1	L2	L3	1 [P]	3 [R]
P102-0*	2	53	39	18,5	16	G1/8	G1/8
P103-0*	3	69	55	18,5	16	G1/8	G1/8
P104-0*	4	85	71	18,5	16	G1/8	G1/8
P105-0*	5	101	87	18,5	16	G1/8	G1/8
P106-0*	6	117	103	18,5	16	G1/8	G1/8

Manifold - double side valve - bottom outlets



Material: anodized aluminium

Manifold suitable for 3-way solenoid valve
Use solenoid valves with screws for mounting on metal (see coding)



Mod.	Positions	L	L1	L2	L3	1 [P]	3 [R]
P204-0*	4	53	39	18,5	16	G1/8	G1/8
P206-0*	6	69	55	18,5	16	G1/8	G1/8
P208-0*	8	85	71	18,5	16	G1/8	G1/8
P210-0*	10	101	87	18,5	16	G1/8	G1/8
P212-0*	12	117	103	18,5	16	G1/8	G1/8

Products designed for industrial applications. General terms and conditions for sale are available on www.camozzi.com
This document contains a description of the products offered by Camozzi Automation at time of publication.
For more complete and up to date information about the Camozzi Automation product range, please refer to our online catalogue at https://shop.camozzi.com

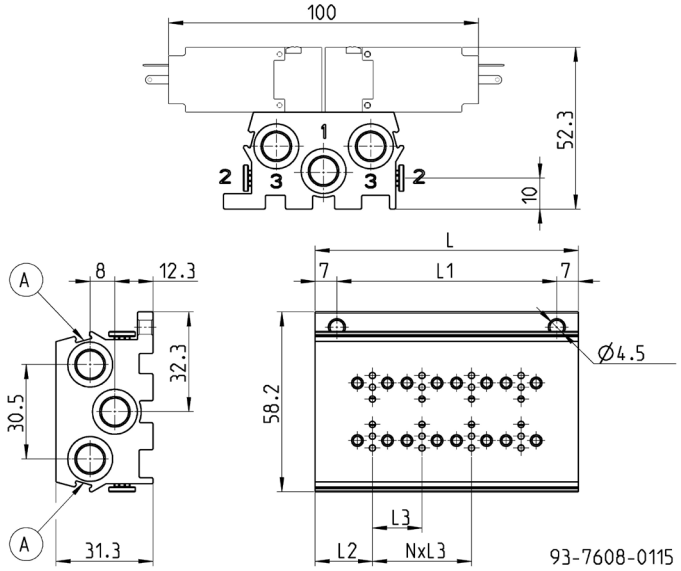
Manifold - double side valve - frontal outlets



Material: anodized aluminium

Manifold suitable for 3-way solenoid valve
Use solenoid valves with screws for mounting on metal (see coding)

Can be fixed through DIN 46277/3 guide with the accessory PCF-E520.

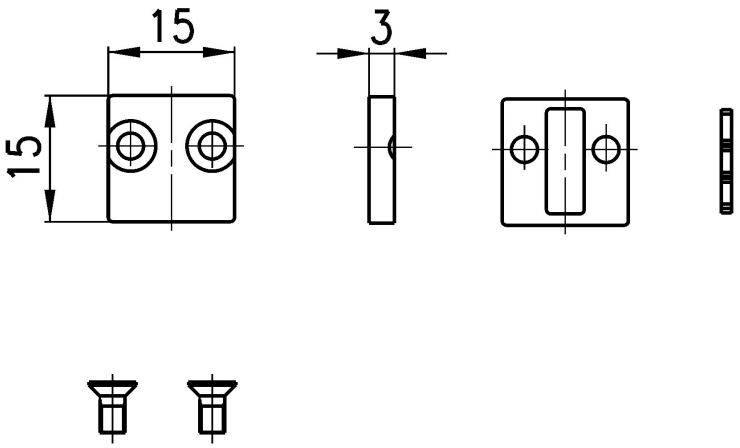


Mod.	Positions	L	L1	L2	L3	1 [P]	3 [R]
P204-0*	4	53	39	18,5	16	G1/8	G1/8
P206-0*	6	69	55	18,5	16	G1/8	G1/8
P208-0*	8	85	71	18,5	16	G1/8	G1/8
P210-0*	10	101	87	18,5	16	G1/8	G1/8
P212-0*	12	117	103	18,5	16	G1/8	G1/8

Position valve cap



Supplied with:
1x position valve cap
1x interface seal
2x screws

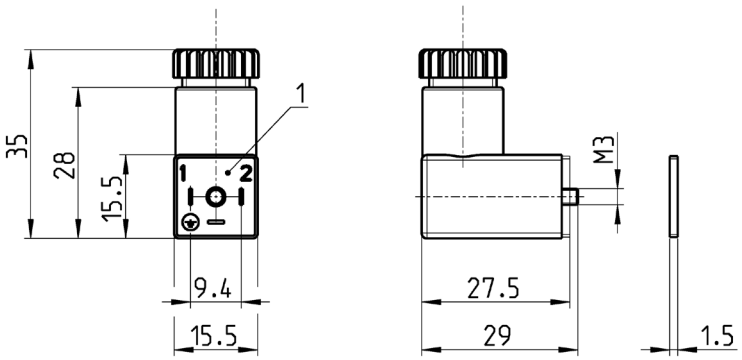


Mod.
P000-TP

Products designed for industrial applications. General terms and conditions for sale are available on www.camozzi.com
This document contains a description of the products offered by Camozzi Automation at time of publication.
For more complete and up to date information about the Camozzi Automation product range, please refer to our online catalogue at https://shop.camozzi.com

Connectors Mod. 125 industrial std. 9,4 mm

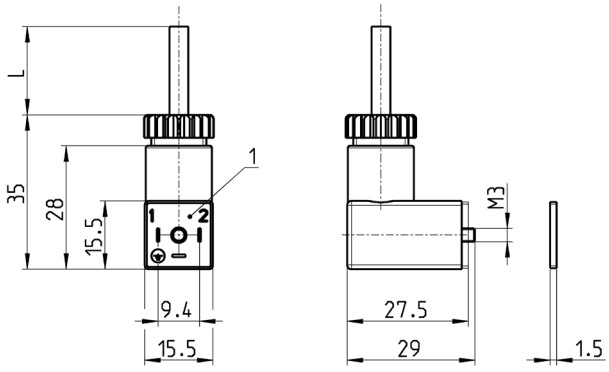




Mod.	Description	Colour	Working voltage	Cable gland	Tightening torque
125-601	Connector, diode + Led	Transparent	10/50 V DC	PG7	0,3 Nm
125-701	Connector, varistor + Led	Transparent	24 V AC/DC	PG7	0,3 Nm
125-800	Connector, without electronics	Black	-	PG7	0,3 Nm

Connectors Mod. 125 industrial std. 9,4 mm with cable



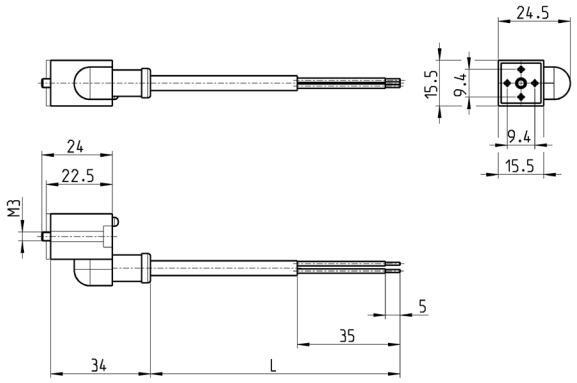


Mod.	Description	Colour	Working voltage	Cable length (L)	Cable gland	Tightening torque
125-501-2	moulded cable with diode + Led	black	10/50 V DC	2000 mm	-	0,3 Nm
125-550-1	moulded cable, without electronics	black	-	1000 mm	-	0,3 Nm
125-601-2	pre-wired cable, diode + Led	transparent	10/50 V DC	2000 mm	PG7	0,3 Nm
125-571-3	moulded cable, varistor + Led	black	24 V AC/DC	3000 mm	-	0,3 Nm
125-900	pre-wired cable with voltage rectifier	black	6 V - 110 V AC/DC	2000 mm	PG7	0,3 Nm

Products designed for industrial applications. General terms and conditions for sale are available on www.camozzi.com
This document contains a description of the products offered by Camozzi Automation at time of publication.
For more complete and up to date information about the Camozzi Automation product range, please refer to our online catalogue at https://shop.camozzi.com

Connectors Mod. 125 industrial std. 9,4 mm in-line cable

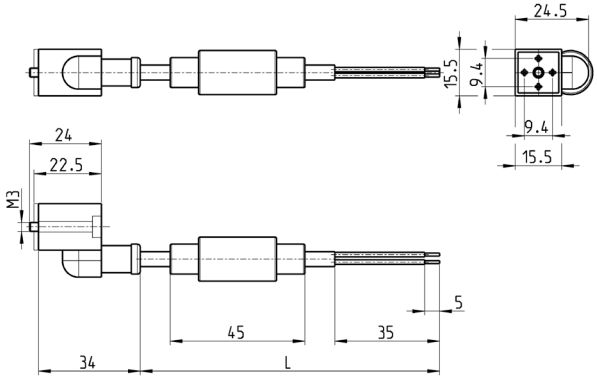




Mod.	Description	Colour	Working voltage	Cable length (L)	Cable gland	Tightening torque
125-503-2	In-line moulded cable, with diode + Led	Black	24 V DC	2000 mm	-	0,3 Nm
125-503-5	In-line moulded cable, with diode + Led	Black	24 V DC	5000 mm	-	0,3 Nm
125-553-2	In-line moulded cable, without electronics	Black	-	2000 mm	-	0,3 Nm
125-553-5	In-line moulded cable, without electronics	Black	-	5000 mm	-	0,3 Nm

Connectors Mod. 125 industrial std. 9.4 mm in-line cable and rectifier





Mod.	Description	Colour	Working voltage	Cable length (L)	Cable gland	Tightening torque
125-903-2	in-line moulded cable with voltage rectifier	black	6 V - 230 V AC/DC	2000 mm	-	0,3 Nm
125-903-5	in-line moulded cable with voltage rectifier	black	6 V - 230 V AC/DC	5000 mm	-	0,3 Nm

Products designed for industrial applications. General terms and conditions for sale are available on www.camozzi.com
This document contains a description of the products offered by Camozzi Automation at time of publication.
For more complete and up to date information about the Camozzi Automation product range, please refer to our online catalogue at https://shop.camozzi.com