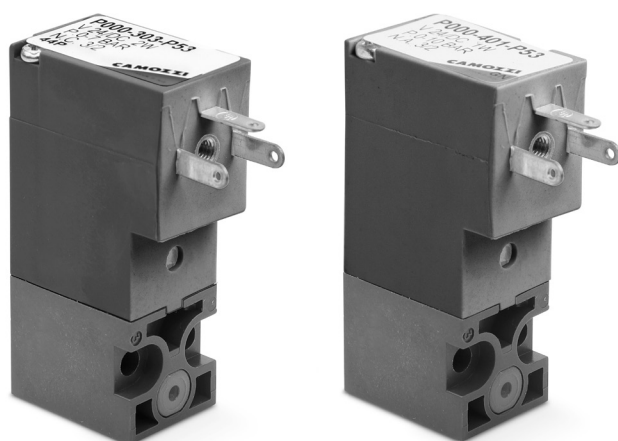


# Series P directly operated solenoid valves

3/2-way NC and NO. The solenoid valves can be mounted on a single base (with M5 ports) as well as on manifolds (with M5 ports or cartridge  $\varnothing$  3 and 4).



Note: all Series P solenoid valves are basically in DC.  
To operate in AC at the same target voltage, the valves need to use the connector Mod. 125-900.

Series P directly operated mini-solenoid valves are available as 3/2-way, either NC or NO. Both versions can be mounted on single bases or on manifolds and they are equipped with a manual override which makes the plants setting easier.

## GENERAL DATA

### TECHNICAL FEATURES

Function	3/2 NC - 3/2 NO
Operation	direct acting poppet type
Pneumatic connections	on subbase, ISO 15218 interface by means of screws
Nominal diameter	0.8 ... 1.5 mm
Nominal flow	14 ... 35 NI/min (air @ 6 bar $\Delta$ P 1 bar)
Kv (l/min)	0.22 ... 0.54
Operating pressure	0 + 3 ... 10 bar
Operating temperature	0 + +50°C
Media	filtered air, class 5.4.4 according to ISO 8573-1 (max oil viscosity 32 cSt), inert gas
Response time	ON <10 msec - OFF <15 msec
Manual override	monostable button
Installation	in any position

### MATERIALS IN CONTACT WITH THE MEDIUM

Body	PBT technopolymer
Seals	FKM, NBR (FKM on demand)
Internal parts	stainless steel

### ELECTRICAL FEATURES

Voltage	12 ... 110 V DC - 24 ... 110 V AC 50/60 Hz
Voltage tolerance	$\pm$ 10%
Power consumption	2 W - 1 W (24 V DC only)
Duty cycle	ED 100%
Electrical connection	DIN 43650 connector, (C Shape), 9.4 mm
Protection class	IP65 with connector

Special versions available on demand

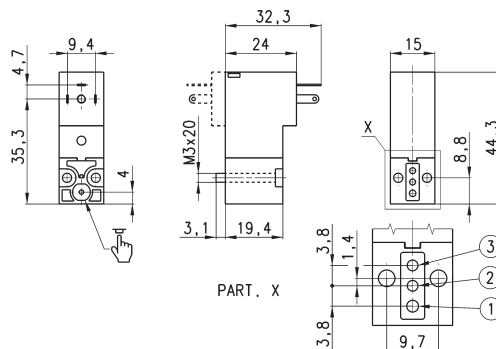
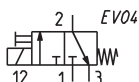
**CODING EXAMPLE**

<b>P</b>	<b>0</b>	<b>00</b>	<b>-</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>-</b>	<b>P</b>	<b>5</b>	<b>3</b>
<b>P</b>	SERIES									
<b>0</b>	BODY DESIGN: 0 = single sub-base (M5 only) or interface 1 = single manifold 2 = double sided manifold									
<b>00</b>	NUMBER OF POSITIONS: 00 = interface 01 = single base (M5 only) 02 + 99 = manifold number of positions									
<b>3</b>	NUMBER OF WAYS - FUNCTIONS: 0 = manifold or single base 3 = 3-way NC 4 = 3-way NO 5 = 3-way NC electric part revolved by 180° 6 = 3-way NO electric part revolved by 180°									
<b>0</b>	VALVE PORTS: 0 = interface (for single valve only)  MANIFOLD PORTS (for Series W, P and PN): 2 = M5 side port 3 = ø 3 tube side port 4 = ø 4 tube side port 6 = M5 rear ports 7 = ø 3 tube rear ports 8 = ø 4 tube rear ports									
<b>3</b>	NOMINAL DIAMETER - MAX PRESSURE 1 = ø 0,8 (1W)      10 bar (NC) 24V only 3 = ø 1,5 (2W)      7 bar (NC) 5 bar (NO) 5 = ø 1,1 NC (2W)    10 bar (NC) ø 0,9 NO (2W)    10 bar (NO) 6 = ø 1,5 NC (2W)    3 bar (NC) *									
<b>P</b>	MATERIALS: P = technopolymer PBT body, FKM poppet seal, other seals in NBR (FKM on demand)									
<b>5</b>	ELECTRICAL CONNECTION: 5 = 3 faston pitch 9,4									
<b>3</b>	SOLENOID VOLTAGE: B = 24V 50/60 Hz                      2 = 12V DC                      6 = 110V DC C = 48V 50/60 Hz                      3 = 24V DC D = 110V 50/60 Hz                     4 = 48V DC									
	FIXING: = with screws for metal (standard) P = with screws for plastics									

\* Voltage tolerance from +10% to -25%

**3/2-way NC solenoid valve**

Supplied with:  
 1x interface seal  
 2x screws M3x20 UNI 8112 (for standard version)  
 or  
 2x screws M3x23 UNI 10227 (for version P)

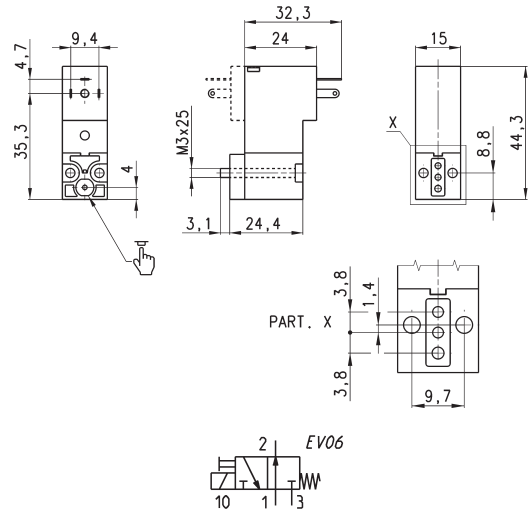


Mod.	Orifice Ø (mm)	Qn (NI/min)	Pressure min-max (bar)
<b>P000-301-P53</b>	0,8	14	0 + 10
<b>P000-303-P53</b>	1,5	35	0 + 7
<b>P000-305-P53</b>	1,1	25	0 + 10
<b>P000-306-P53</b>	1,5	35	0 + 3

3/2-way NO solenoid valve

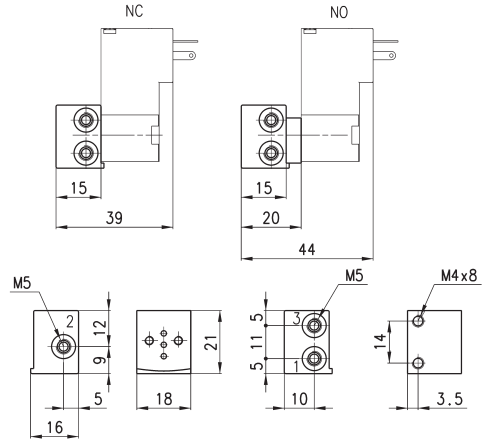


Supplied with:  
 1x interface for NO version  
 (connections 1 and 3 are inverted)  
 2x interface seals  
 2x screws M3x25 UNI 8112 (for standard version)



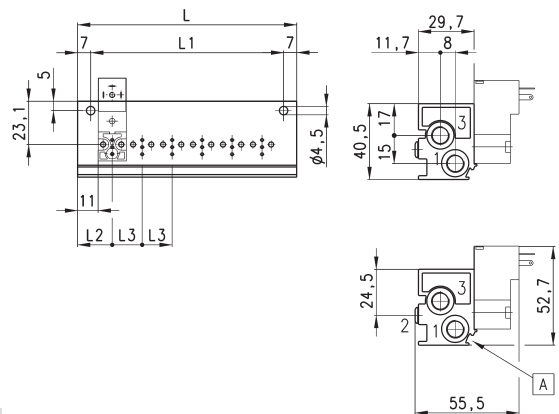
Mod.	Orifice Ø (mm)	QN (Nl/min)	Pressure min-max (bar)
P000-405-P53	0.9	15	0 + 10
P000-403-P53	1.5	23	0 + 5

Single sub-base



Mod.
P001-02

Single manifold with rear outlets



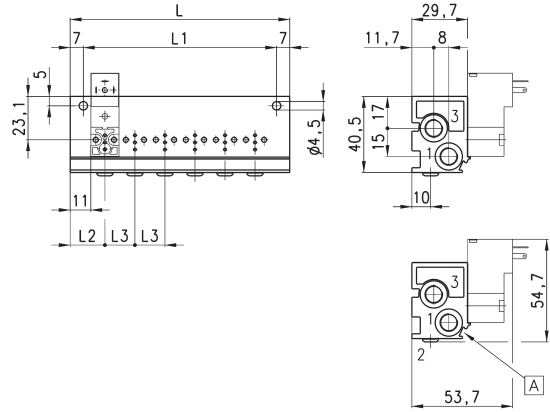
DIMENSIONS							
Mod.	N° Valves	L	L1	L2	L3	1 (P)	3 (R)
P102-0*	2	53	39	18,5	16	G1/8	G1/8
P103-0*	3	69	55	18,5	16	G1/8	G1/8
P104-0*	4	85	71	18,5	16	G1/8	G1/8
P105-0*	5	101	87	18,5	16	G1/8	G1/8
P106-0*	6	117	103	18,5	16	G1/8	G1/8

\* = see the type of PORTS in the CODING EXAMPLE TABLE.

A = groove for electric connection identification

### Single manifold with front outlets

This manifold is arranged to be fixed through DIN 46277/3 guide together with the accessory PCF-E520.

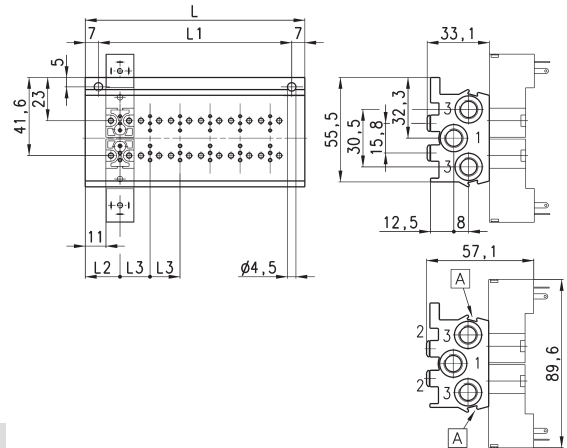


DIMENSIONS							
Mod.	Nr valves	L	L1	L2	L3	1 (P)	3 (R)
P102-0*	2	53	39	18,5	16	G1/8	G1/8
P103-0*	3	69	55	18,5	16	G1/8	G1/8
P104-0*	4	85	71	18,5	16	G1/8	G1/8
P105-0*	5	101	87	18,5	16	G1/8	G1/8
P106-0*	6	117	103	18,5	16	G1/8	G1/8

\* = see the type of PORTS in the CODING EXAMPLE TABLE.

A = groove for electric connection identification

### Double sided manifold with rear outlets



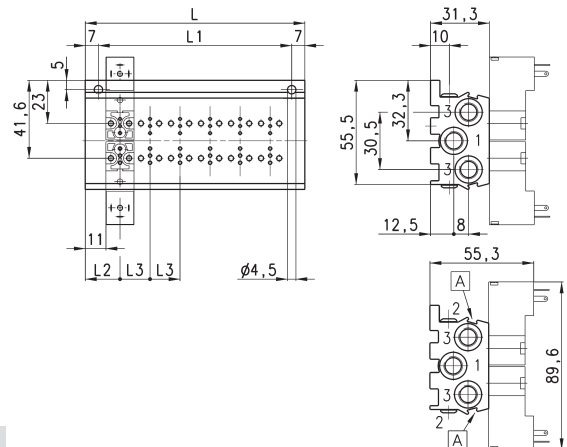
DIMENSIONS							
Mod.	Nr valves	L	L1	L2	L3	1 (P)	3 (R)
P204-0*	4	53	39	18,5	16	G1/8	G1/8
P206-0*	6	69	55	18,5	16	G1/8	G1/8
P208-0*	8	85	71	18,5	16	G1/8	G1/8
P210-0*	10	101	87	18,5	16	G1/8	G1/8
P212-0*	12	117	103	18,5	16	G1/8	G1/8

\* = see the type of PORTS in the CODING EXAMPLE TABLE.

A = groove for electric connection identification

### Double sided manifold with front outlets

This manifold is arranged to be fixed through DIN 46277/3 guide together with the accessory PCF-E520.



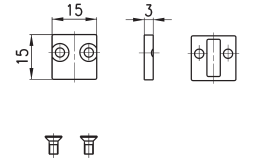
DIMENSIONS							
Mod.	Nr valves	L	L1	L2	L3	1 (P)	3 (R)
P204-0*	4	53	39	18,5	16	G1/8	G1/8
P206-0*	6	69	55	18,5	16	G1/8	G1/8
P208-0*	8	85	71	18,5	16	G1/8	G1/8
P210-0*	10	101	87	18,5	16	G1/8	G1/8
P212-0*	12	117	103	18,5	16	G1/8	G1/8

\* = see the type of PORTS in the CODING EXAMPLE TABLE.

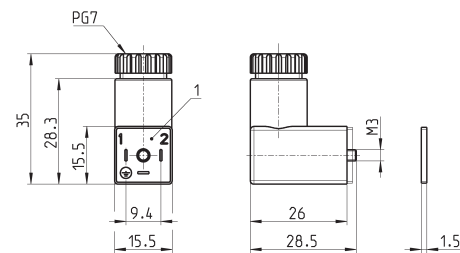
A = groove for electric connection identification

**Excluder tap**


Supplied with:  
 1x excluder tap  
 1x interface seal  
 2x screws


 Mod.  
**P000-TP**
**2**

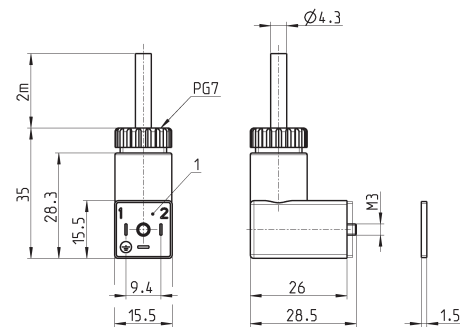
CONTROL

**Connector Mod. 125-800 DIN 43650 pin spacing 9,4mm**

 Mod.  
**125-800**

1 = 90° adjustable connector

**Connector Mod. 125-900 DIN 43650 pin spacing 9,4mm**

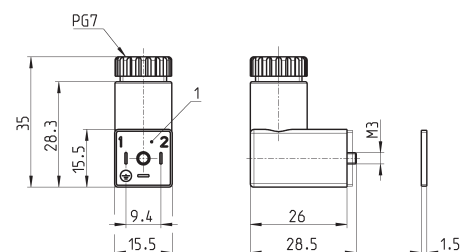

The internal rectifier circuit of this connector allows to use solenoid valves with different AC voltage, even if the voltage indicated on the solenoid valve is DC.


 Mod.  
**125-900**

1 = 90° adjustable connector

**Connectors Mod. 125-601, 125-701 DIN 43650 pin spacing 9,4mm**
**New**


Mod. 125-601: transparent case with led and diode  
 Mod. 125-701: transparent case with bipolar led and varistor


 Mod.  
**125-601**  
**125-701**

1 = 90° adjustable connector