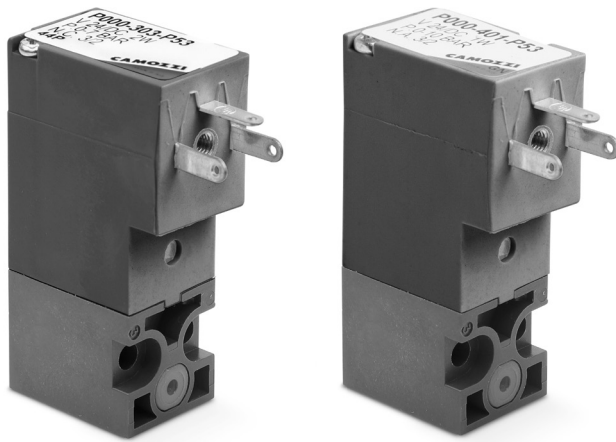


Directly operated solenoid valves Series P

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 the solenoid valves series P are basically in DC.
To operate in AC at the same target voltage, the valves need to use the connector Mod. 125-900 (see page 2/1.15.05).

The directly operated mini-solenoid valves Series P 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

Valve functions	3/2 NC - NO
Construction	poppet type
Mounting	by means of screws
Materials	body = technopolymer poppet = PU (FKM on demand) seals = NBR others = stainless steel
Installation	in any position
Operating temperature	0 + 50°C
Operating pressure	see table
Nominal flow rate (6 bar ΔP 1)	\varnothing 1,5 Qn 35 NI/min \varnothing 1,1 Qn 25 NI/min \varnothing 0,8 Qn 14 NI/min
Fluid	filtered air, without lubrication, inert gas. If lubricated air is used, it is recommended to use ISOVG32 oil. Once applied the lubrication should never be interrupted.
Voltage	see the coding example
Power consumption	2 W, 1W (24V only)
Voltage tolerance	\pm 10%
Class of insulation	class F
Protection class	IP65 (with connector DIN 40050)
Duty cycle	ED 100%

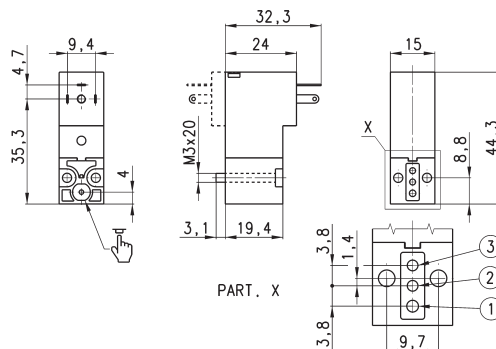
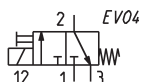
CODING EXAMPLE

P	0	00	-	3	0	3	-	P	5	3
---	---	----	---	---	---	---	---	---	---	---

P	SERIES
0	BODY DESIGN: 0 = single sub-base (M5 only) or interface 1 = single manifold 2 = double sided manifold
00	NUMBER OF POSITIONS: 00 = interface 01 = single base (M5 only) 02 + 99 = manifold number of positions
3	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°
0	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
3	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) *
P	MATERIALS: P = PBT body, PU poppet F = PBT body, FKM poppet
5	TYPE OF CONNECTION: 5 = 3 faston pitch 9,4
3	SOLENOID VOLTAGE: B = 24V 50/60 Hz 3 = 24V DC C = 48V 50/60 Hz 4 = 48V DC D = 110V 50/60 Hz 6 = 110V DC
	VERSIONS: = with screws for metal (standard) P = with screws for plastics

* Voltage tolerance from +10% to -25%

3/2-way NC solenoid valve

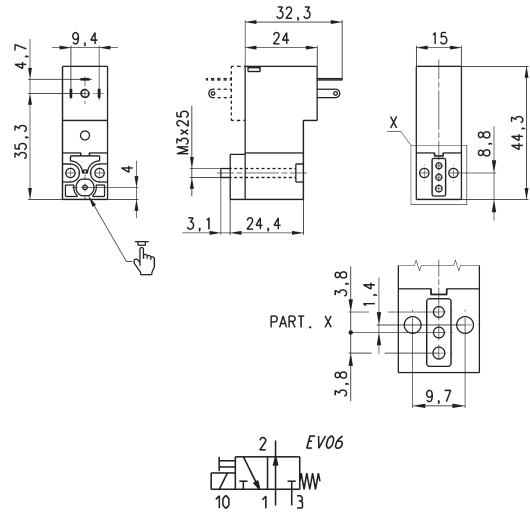
 Supplied with:
 1x interface seal
 2x screws M3x20 UNI 8112 (for standard version)
 or
 2x screws M3x23 UNI 10227 (for version P)


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

3/2-way NO solenoid valve

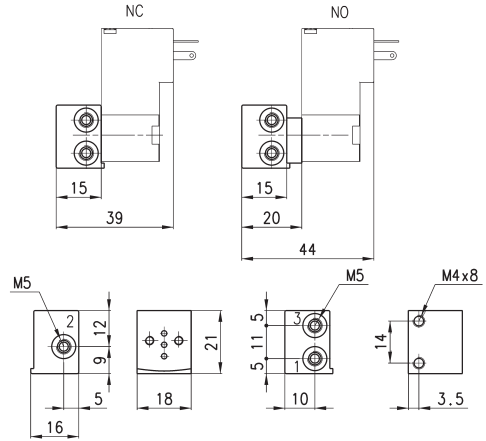


Supplied with:
 1x interface for NO version
 (connections 1 and 3 are inverted)
 2x interface seals
 2x screws M3x25 UNI 8112 (for standard version)



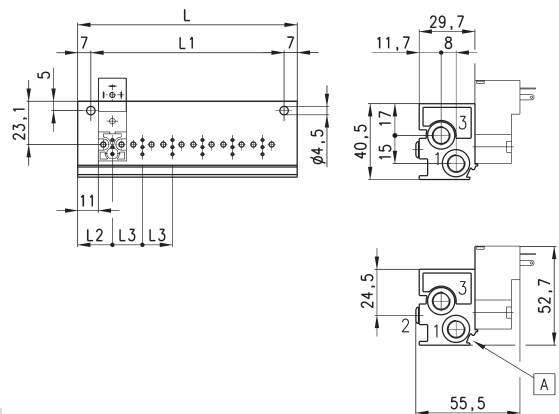
Mod.	Orifice Ø (mm)	QN (NI/min)	Pressure min-max (bar)
P000-405-P53	0.9	15	0 + 10
P000-403-P53	1.5	23	0 + 5

Single sub-base



Mod.
P001-02

Single manifold with rear outlets



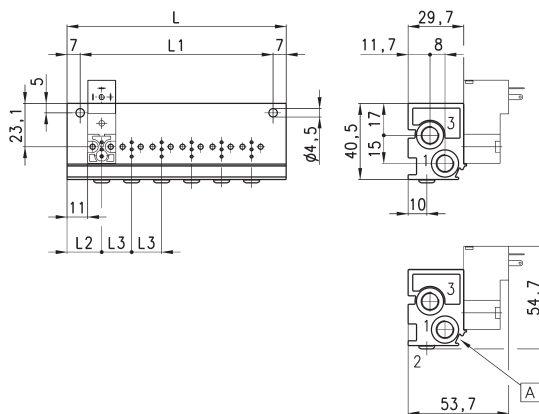
DIMENSIONS							
Mod.	N° Valves	L	L1	L2	L3	1 (P)	3 (R)
P102-0*	2	53	39	18,5	16	G1/8	G1/8
P103-0*	3	69	55	18,5	16	G1/8	G1/8
P104-0*	4	85	71	18,5	16	G1/8	G1/8
P105-0*	5	101	87	18,5	16	G1/8	G1/8
P106-0*	6	117	103	18,5	16	G1/8	G1/8

* = 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.

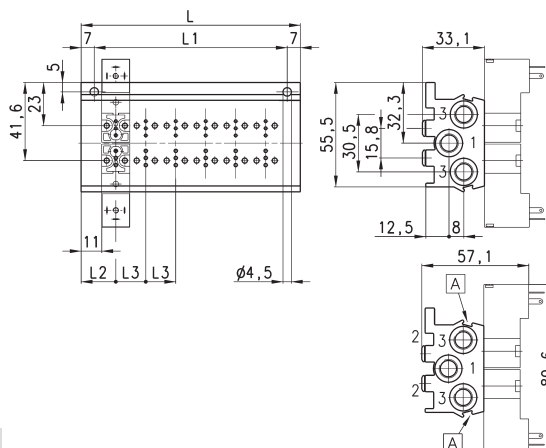


DIMENSIONS							
Mod.	Nr valves	L	L1	L2	L3	1 (P)	3 (R)
P102-0*	2	53	39	18,5	16	G1/8	G1/8
P103-0*	3	69	55	18,5	16	G1/8	G1/8
P104-0*	4	85	71	18,5	16	G1/8	G1/8
P105-0*	5	101	87	18,5	16	G1/8	G1/8
P106-0*	6	117	103	18,5	16	G1/8	G1/8

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

A = groove for electric connection identification

Double sided manifold with rear outlets



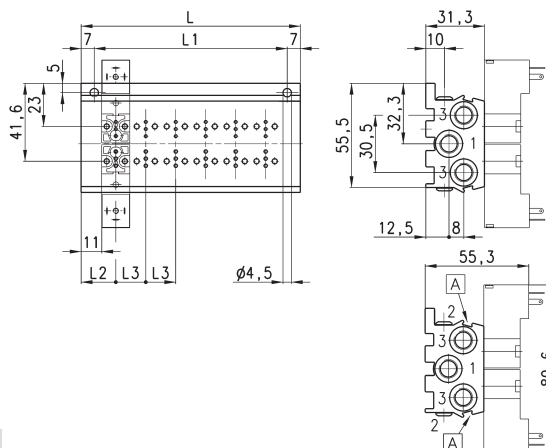
DIMENSIONS							
Mod.	Nr valves	L	L1	L2	L3	1 (P)	3 (R)
P204-0*	4	53	39	18,5	16	G1/8	G1/8
P206-0*	6	69	55	18,5	16	G1/8	G1/8
P208-0*	8	85	71	18,5	16	G1/8	G1/8
P210-0*	10	101	87	18,5	16	G1/8	G1/8
P212-0*	12	117	103	18,5	16	G1/8	G1/8

* = 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

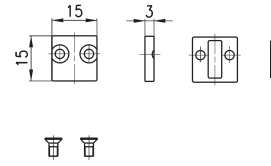
* = see the type of PORTS in the CODING EXAMPLE TABLE.

A = groove for electric connection identification

Excluder tap

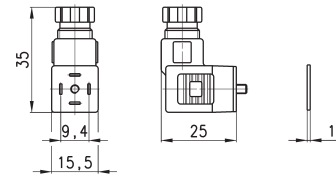


Supplied with:
 1x excluder tap
 1x interface seal
 2x screws



Mod.
P000-TP

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

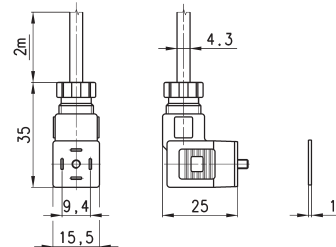


Mod.
125-800

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