



MIDI POPPET VALVES



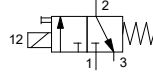
MAXI POPPET VALVES

PRICE CATALOGUE

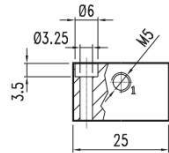
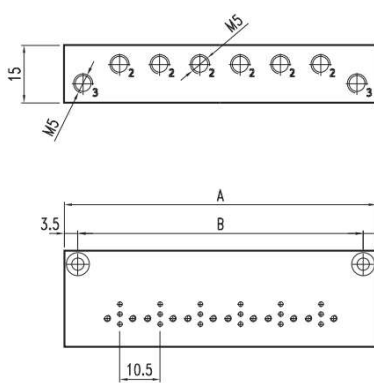
SEMAK[®]MATIC
PNEUMATIC EQUIPMENTS

www.sematik.tr

3/2 N.C. 24 V dc.



BASES from Pos 1 to Pos 10

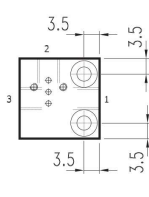
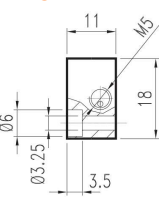


POS.	A	B
2	39.5	32.5
3	50	43
4	60.5	53.5
5	71	64
6	81.5	74.5
7	92	85
8	102.5	95.5
9	113	106
10	123.5	116.5

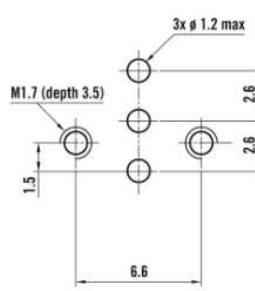
Codes of bases

1 pos.	SMVPLP10001MIN
2 pos.	SMVPLP10002MIN
3 pos.	SMVPLP10003MIN
4 pos.	SMVPLP10004MIN
5 pos.	SMVPLP10005MIN
6 pos.	SMVPLP10006MIN
7 pos.	SMVPLP10007MIN
8 pos.	SMVPLP10008MIN
9 pos.	SMVPLP10009MIN
10 pos.	SMVPLP10010MIN

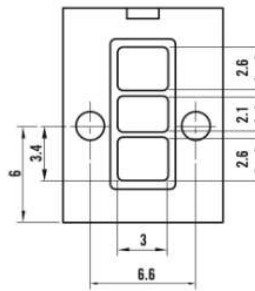
Single base



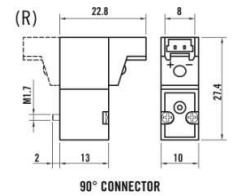
DRAWING



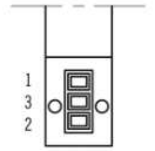
SUGGESTED SUBBASE



PNEUMATIC INTERFACE

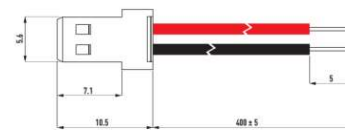


90° CONNECTOR



3/2 N.C.

CABLE & connector



1 Inlet pressure
2 Outlet pressure
3 Exhaust

ORDERING CODE for a VALVE

3/2 N.C. 24 V dc

: SMV32M5TBP1TNK

CABLE & CONNECTOR for a VALVE

: SMV32M5TBP1T01

The 10 mm solenoid valve series of SEMAKMATIC is designed just for to use with ressured air. The solenoid valve is composed by an encapsulated coil joined to a plastic valve body made by PBT . The assembly is not detachable . Very low power consumption and high cycling rate is usefull for high speed industrial applications.
The coil is also in conformity with 94/9/ec ATEX for electrical apparatus of group II , cathegory 3.

Fluid : Compressed filtered air without lubrication

10 µm filtering degree is highly recommended

Pressure range : min. 0 bar - max. 7 bar

Temperature range : - 5 °C / + 50 °C

Version : 3/2 " N.C. 24 V dc.

Materials

Spring : Stainless steel

Copper wire : Class H 180 ° IEC 60317 - 51

Seals : H - NBR

Body : PBT (polybutylene terephthalate)

Coil datas : 1 W / 24 v dc. / F class insulation / %100 duty cycle

Manuel override : Monostable

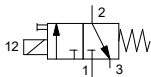
Flow rate : 15 NI/ min at 6 bar

Responce time : 10 ms.

Life time : 50 milion cycle

MIDI POPPET VALVE (3/2 - N.C. – 24 V dc.)

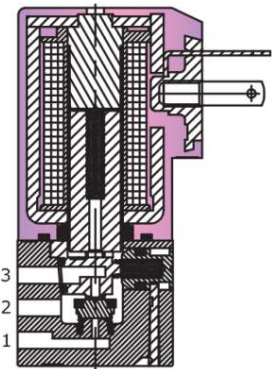
3/2 N.C. – N.O 24 V dc. (DIN – C)



Pneumatic ports and the electrical connection is at the **same** side

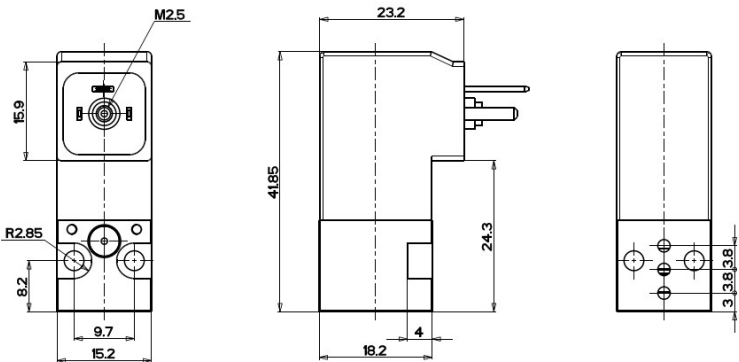
INTERNAL VIEW

Pneumatic ports and the electrical connection is at the **opposite** side

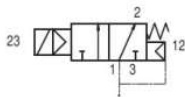


- 1) Inlet pressure
- 2) Outlet pressure
- 3) Exhaust

DRAWING



3/2 N.O.



Pneumatic ports and the electrical connection is at the **opposite** side

ORDERING CODE for a VALVE

- | | |
|------------------------------|------------------|
| 3/2 N.C. 24 V dc (DIN – C) | : SMV32M5TBP2TNK |
| 3/2 N.O. 24 V dc (DIN – C) | : SMV32M5TBP2TNA |
| SOCKET for a VALVE | : SMBS1500000000 |

We supply the valves , electric and pneumatic ports at the same side
The 15 mm solenoid valve serie of SEMAKMATIC is designed for high performance . Very low power consumption with a high flow rate and high cycling speed , suitable for every kind of pneumatic industrial applications .

The coil is also in conformity with 94/9/ec ATEX for electrical apparatus of group II , cathegory 3.

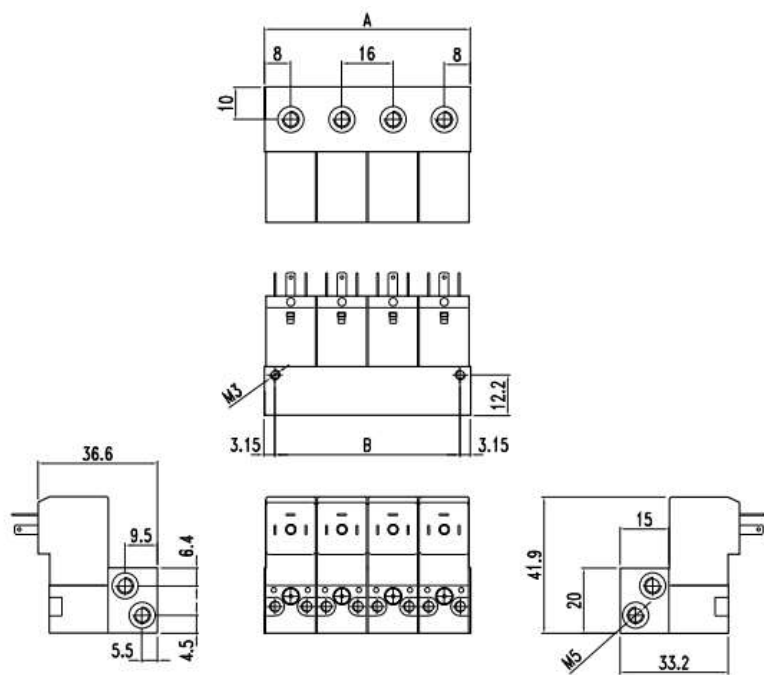
Fluid	: Compressed filtered air without lubrication
	10 µm filtering degree is highly recommended
Pressure range	: min. 0 bar - max. 10 bar
Temperature range	: - 5 °C / + 50 °C
Version	: 3/2 " N.C. 24 V dc.

Materials

Spring	: Stainless steel
Copper wire	: Class H 200° IEC 60317 - 13
Seals	: NBR
Body	: PPS

Coil datas	: 1 W / 24 v dc. / F class insulation / %100 duty cycle / PA 6.6 glass reinforced
Manuel override	: Monostable
Flow rate	: 30 NI/ min at 6 bar
Responce time .	: 15 ms.
Life time	: 50 milion cycle

DRAWING for a BASE



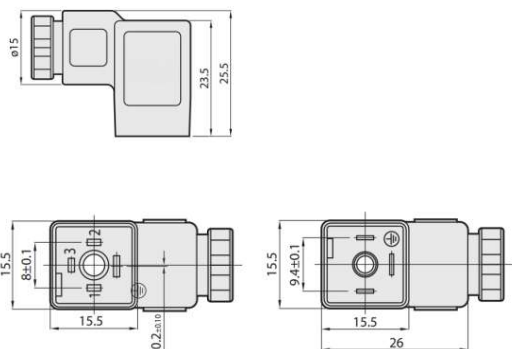
	A	B
POS 1	16	9,7
POS 2	32	25,7
POS 3	48	41,7
POS 4	64	57,7
POS 5	80	73,7
POS 6	96	89,7
POS 8	128	121,7
POS 10	160	153,7

ORDERING CODES for BASES & PLANKING PLATE

1 POSITION MIDI BASE	:	SMVPLP20001MID
2 POSITION MIDI BASE	:	SMVPLP20002MID
3 POSITION MIDI BASE	:	SMVPLP20003MID
4 POSITION MIDI BASE	:	SMVPLP20004MID
5 POSITION MIDI BASE	:	SMVPLP20005MID
6 POSITION MIDI BASE	:	SMVPLP20006MID
8 POSITION MIDI BASE	:	SMVPLP20008MID
10 POSITION MIDI BASE	:	SMVPLP20010MID
BLANKING PLATE	:	SMVPLP2000KMID



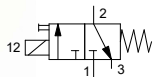
CCONNECTOR (DIN – 43650 – C)



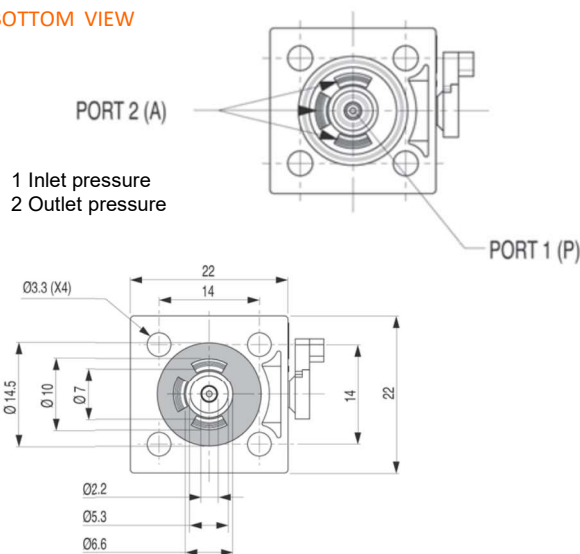
Form	DIN 43650 - C
Cable entry	PG 7 (4 - 6 mm)
Protection class	IP 65
Working voltage	AC 250 V max.
Normal current	6 A (max. 16A / 40 °C
Contact resistance	≤ 4 mΩ
Gasket material	NBR
Max. conductor section	3 * 0,75 mm ² - 4 * 0,75 mm ²

MAXI POPPET VALVE (3/2 - N.C.)

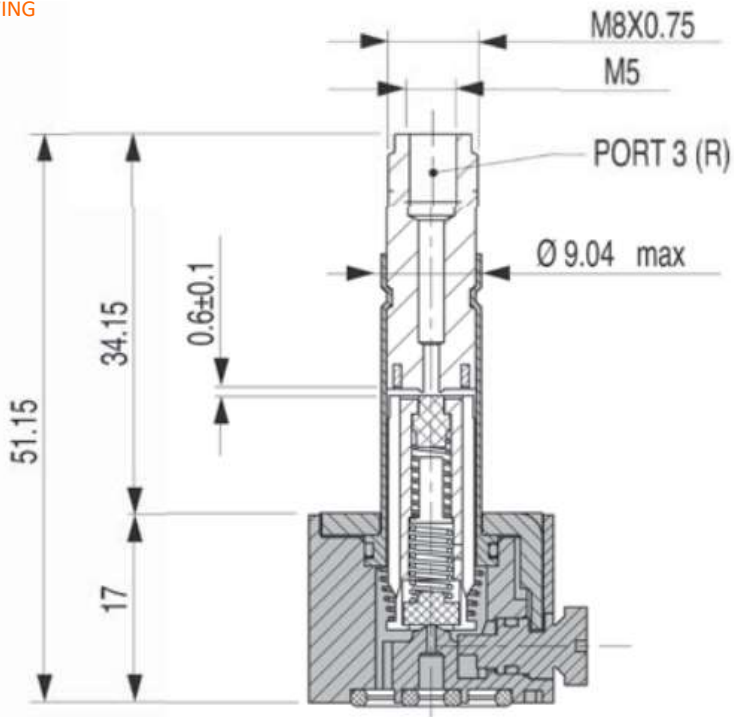
3/2 N.C.



BOTTOM VIEW



DRAWING



ORDERING CODE for a VALVE

3/2 N.C. VALVE

: SMV3218TBP3MNK

* For coil , socket and spare parts please see page 1.....

The 22 mm solenoid valve serie of SEMAKMATIC is designed for a base mounting applications ; The serie can also be used as a solenoid pilot of main control valve . Standart 22 mm coil and 9 mm brass tube suitable for any type of pneumatic valve.
The coil is also in conformity with 94/9/ec ATEX for electrical apparatus of group II , cathegory 3.

Fluid : Compressed filtered air with or without lubrication

Orifice size : 1,5 mm

Pressure range : min. 0 bar - max. 10 bar

Temperature range : - 10 °C / + 60 °C

Version : 3/2 " N.C.

Materials

Spring : Stainless steel

Tube : Brass tube Ø 9 mm

Seals : NBR

Body : Glass reinforced polyester

Coil datas : Ø 9 mm wide 22 or 30 mm

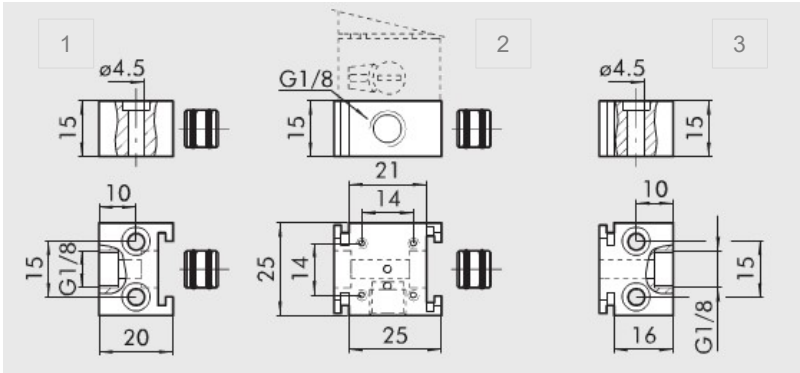
Manuel override : Bistable , detended

Flow rate : 50 NI/ min at 6 bar

Responce time . : 15 ms.

Life time : 50 milion cycle

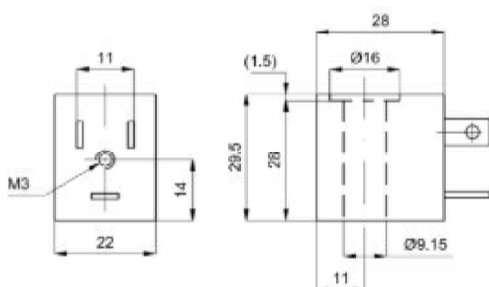
DRAWING for a BASE



ORDERING CODES for a BASE		
ENTRY BASE (1)	:	SMVPLP300OPMAX
MIDLE BASE (2)	:	SMVPLP300GPMAX
END BASE (3)	:	SMVPLP300CPMAX



COILS

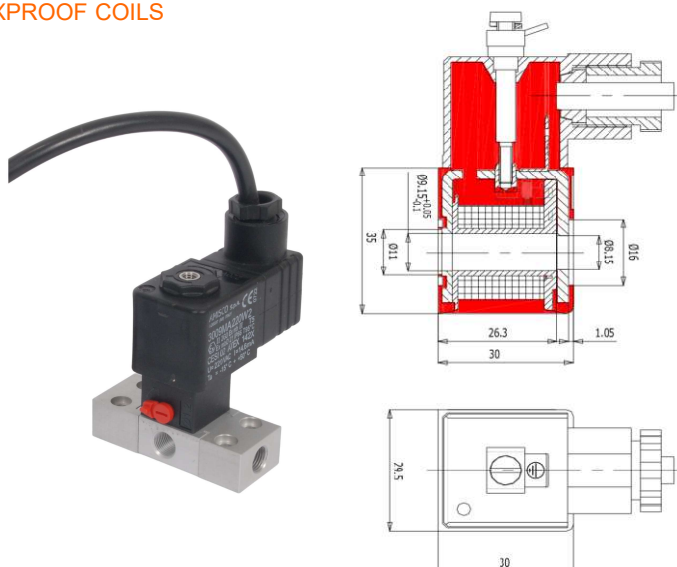


	For DC	For AC
Voltage tolerance	+ / - 10 %	+ / - 10 %
Electrical Consumption	3W	4.2 VA
Frequenzy	-	50 / 60 Hz.
Voltages	24	24 - 110 - 220
Duty cycle	% 100 ED	
Temperature range	- 15 °C / + 50 ° C	
Coil size	22 mm wide / suitable for 9 mm brass tube	
Terminal / Class	DIN 43650 B / F Class	

ORDERING CODES

SMB220900024DC	for 24 V DC
SMB220900024AC	for 24 V AC
SMB220900220AC	for 220 V AC
SMB220900110AC	for 110 V AC

EXPROOF COILS

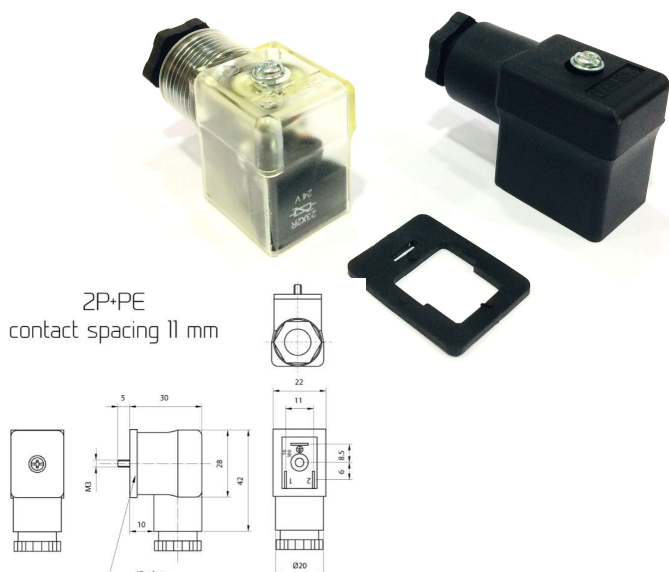


	For DC	For AC
Voltage tolerance	+ / - 10 %	
Electrical Consumption	3W	3.2 VA
Frequenzy	-	50 / 60 Hz.
Voltage	24	220
Duty cycle	% 100 ED	
Temperature range	- 15 °C / + 50 ° C	
Coil size	30 mm wide / suitable for 9 mm brass tube	
Conformity	94 / 9 / EC (group 2)	
Cable length	3 Meter	
Certificate	ATEX II2 GD Eexm II T5	

ORDERING CODES

SMB3009EX024DC	for 24 V DC
SMB3009EX022AC	for 220 V AC

SOCKETS



2P+PE
contact spacing 11 mm

	Standart	24 v / 220 v ac
Color	Black	transparent
Led color	-	Red
Protection	-	only with 24 v
Temperature range	- 15 °C / + 50 ° C	
Socket size	22 mm wide	
Terminal	DIN 43650 B	

ORDERING CODES

SMBS22LED220AC	for 22 mm 220 v ac led
SMBS22LED24V00	for 22 mm 24 v ac dc led
SMBS2200000000	for 22 mm standart socket

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