

**SMG
MULTIPIN
SERIE**



SMG AIR PILOT SERIE 16 mm



SMG SOLENOID SERIE 16 mm



SMG BASE & VALVE



SMG VALVES



SMG 9 PIN SERIE



SMG 15 PIN SERIE

SMG VALVES 16 mm

SEMAK**MATIC**
PNEUMATIC EQUIPMENTS

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SEMAK[®]MATIC

PNEUMATIC EQUIPMENTS

... SMG ... PRODUCTS



SMG

5/2 - 1/8" Solenoid valve

SMG SERIE
AIR PILOT VALVES
&
SMG SERIE
SOLENOID VALVES

SMG SERIE
MULTIPIN VALVES

This image shows a full page of blank, lined paper. It features approximately 30 horizontal ruling lines spaced evenly down the page. There are four distinct purple-colored lines that serve as section dividers, located roughly at the top, one-third, two-thirds, and bottom of the page. The rest of the lines are black. The paper is otherwise completely blank, with no text or markings.



SEMAK MATIC
PNEUMATIC EQUIPMENTS

SMG 1/8" 16 mm VALFLER / VALVES

3/2 - 5/2 - 5/3 - 2 x 3/2 n.k. / n.c. HAVA UYARILI VALFLER / AIR PILOT VALVES Pag. 2 - 6

PLEYTLER / SUB BASES Pag. 7 & 24

3/2 - 5/2 - 5/3 - 2 x 3/2 n.k. / n.c. BOBİNLİ VALFLER / SOLENOID VALVES Pag. 8 - 16

MİNİ POPET VALF 24 V DC ve KABLO / MINI POPET VALVE & CABLE Pag. 17

3/2 – 1/8" PILOT / SPRING N.C.

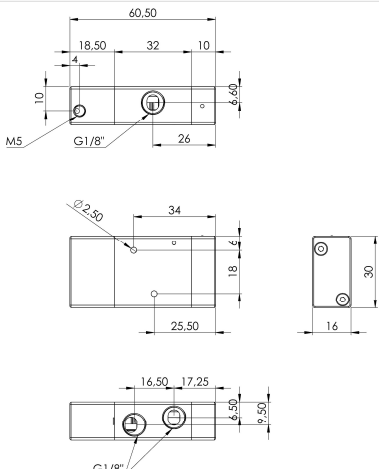
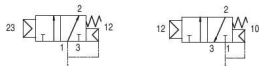
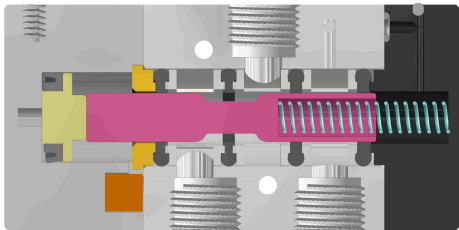


- ❑ Flow rate is 600 NI / min. at 6 bar
- ❑ Maximum working pressure is 10 bar
- ❑ Aluminium body & covers
- ❑ Minimum working pressure is 2 bar
- ❑ Spool with spring return air pilot supported
- ❑ Suitable for non oily applications

ORDERING CODE for a VALVE

- 3/2 – 1/8" PILOT / SPRING (N.C.) : SMG3218HY00MNK
3/2 – 1/8" PILOT / SPRING (N.O.) : SMG3218HY00MNA

3/2 – 1/8" PILOT / SPRING / N.C. N.O.



SPARE PARTS



- 4 * spool o-ring
1 * valve piston gasket
O- RING KIT
Cod. SMG1801A

Fluid	: Compressed filtered air with or without lubrication
	If lubrication used at ones must be continious .
Pressure range	: min.2 bar - max. 10 bar
Temperature range	: - 10 ° C / + 50 ° C
Version	: 3/2 - 1/8" PILOT / SPRING N.C. or N.O.
Materials	
Covers	: Front cover al. 2011 natural colored anodized back cover Al.2011 black anodized
spool	: AL. 6000 anodized 0,4 µm
Seals	: NBR
Body	: Natural anodized aluminium al. 2011
Orifice	: 5 mm
Mounting	: In any position
Flow rate	: 600 NI/ min at 6 bar
Cycle per min.	: 180 cycle / min (depends upon the signal inlet and outlet)
Vacuum	: Suitable

5/2 – 1/8" PILOT / SPRING



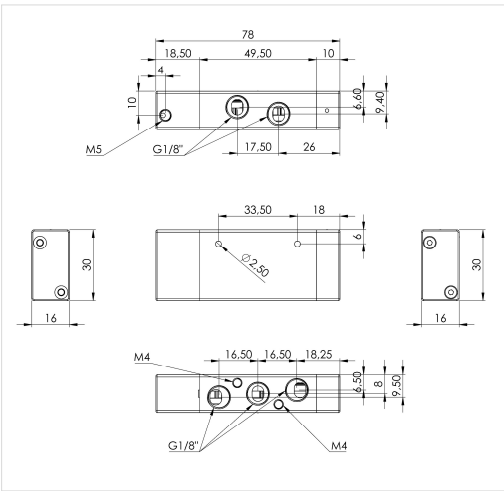
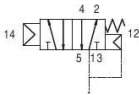
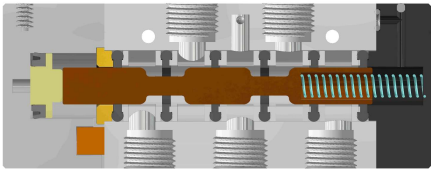
- ❑ Flow rate is 600 NI / min. at 6 bar
- ❑ Maximum working pressure is 10 bar
- ❑ Aluminium body
- ❑ Minimum working pressure is 2 bar
- ❑ Spool with spring return air pilot supported
- ❑ Suitable for non oily applications

ORDERING CODE for a VALVE

5/2 – 1/8" PILOT / SPRING

: SMG5218HY00M00

5/2 – 1/8" PILOT / SPRING



SPARE PARTS



6 * spool o-ring
1 * valve piston gasket

O- RING KIT
Cod. SMG1801



Fluid	: Compressed filtered air with or without lubrication
	If lubrication used at ones must be continious .
Pressure range	: min.2 bar - max. 10 bar
Temperature range	: - 10 ° C / + 60 ° C
Version	: 5/2 - 1/8" PILOT / SPRING
Materials	
Covers	: Front cover al. 2011 natural colored anodized back cover Al.2011 black anodized
spool	: Al. 6000 anodized 0,4 µm
Seals	: NBR
Body	: Natural anodized aluminium al. 2011
Orifice	: 5 mm
Mounting	: In any position
Flow rate	: 600 NI/ min at 6 bar
Cycle per min.	: 180 cycle / min (depends upon the signal inlet and outlet)
Vacuum	: Suitable

5/2 – 1/8" PILOT / PILOT

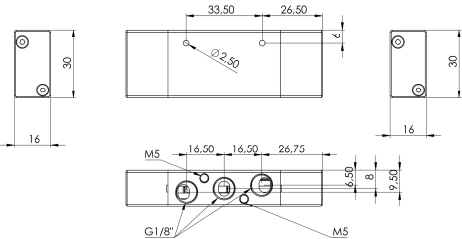
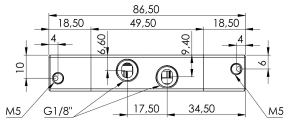
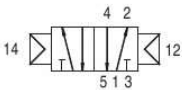
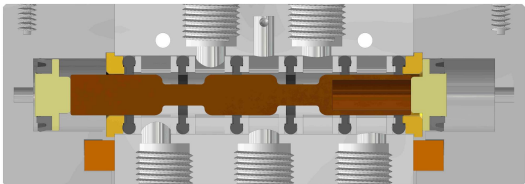


- ❑ Flow rate is 600 NI / min. at 6 bar
- ❑ Maximum working pressure is 10 bar
- ❑ Aluminium body
- ❑ Minimum working pressure is 1,5 bar
- ❑ Spool with spring return air pilot supported
- ❑ Suitable for non oily applications

ORDERING CODE for a VALVE

5/2 – 1/8" PILOT / PILOT : SMG5218HH00M00

5/2 – 1/8" PILOT / PILOT



SPARE PARTS



6 * spool o-ring
1 * valve piston gasket
O- RING KIT
Cod. SMG1801B



Fluid : Compressed filtered air with or without lubrication

If lubrication used at ones must be continious .

Pressure range : min.1,5 bar - max. 10 bar

Temperature range : - 10 ° C / + 50 ° C

Version : 5/2 - 1/8" PILOT / PILOT

Materials

Covers : Front cover al. 2011 natural colored anodized

spool : Al. 6000 anodized 0,4 µm

Seals : NBR

Body : Natural Anodized aluminium al. 2011

Orifice : 5 mm

Mounting : In any position

Flow rate : 600 NI/ min at 6 bar

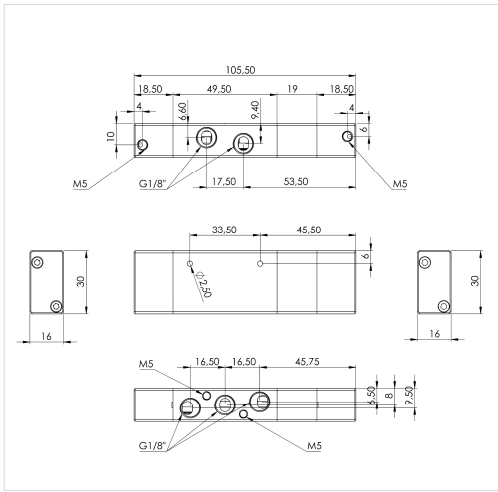
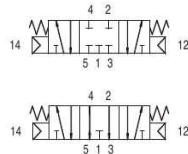
Cycle per min. : 180 cycle / min (depends upon the signal inlet and outlet)

Vacuum : Suitable

- ```

: SMG5318HH00MKM
: SMG5318HH00MAM

```



|                   |        |                                                               |
|-------------------|--------|---------------------------------------------------------------|
| Fluid             | :      | Compressed filtered air with or without lubrication           |
|                   |        | If lubrication used at ones must be continious .              |
| Pressure range    | :      | min.3 bar - max. 10 bar                                       |
| Temperature range | :      | - 10 ° C / + 50 ° C                                           |
| Version           | :      | 5/3 - 1/8“ DOUBLE PILOT C.C. / O.C.                           |
| Materials         |        |                                                               |
|                   | Covers | : Front cover al. 2011 natural colored anodized               |
|                   | spool  | : Al. 6000 anodized 0,4 µm                                    |
|                   | Seals  | : NBR                                                         |
|                   | Body   | : Anodized aluminium                                          |
| Orifice           | :      | 5 mm                                                          |
| Mounting          | :      | In any position                                               |
| Flow rate         | :      | 400 NI/ min at 6 bar                                          |
| Cycle per min.    | :      | 150 cycle / min ( from port 2 or port 4 to neutral position ) |
| Vacuum            | :      | Not Suitable                                                  |

3/2 – 1/8" DOUBLE PILOT 2 \* N.C.

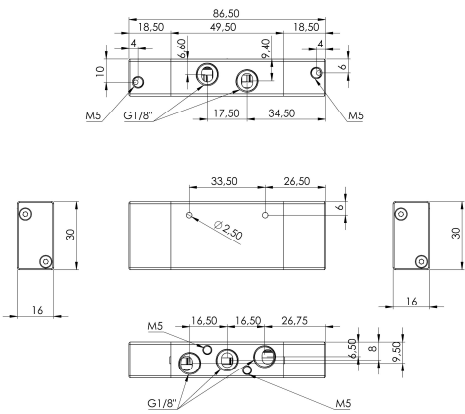
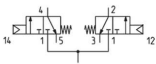
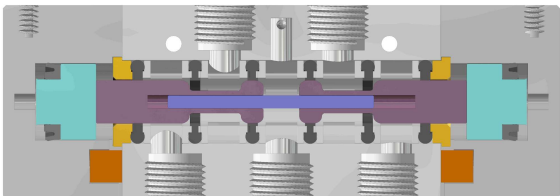


- ❑ Flow rate is 300 NI / min. at 6 bar
- ❑ Maximum working pressure is 10 bar
- ❑ Aluminium 2011 body
- ❑ Minimum working pressure is 2 bar
- ❑ Spool with air pilot return
- ❑ Suitable for non oily applications

ORDERING CODE for a VALVE

3/2 –1/8" DOUBLE PILOT N.C. : SMG3218HH00M00

3/2 – 1/8" DOUBLE PILOT 2 \* N.C.



SPARE PARTS



6 \* spool o-ring  
1 \* valve piston gasket

O- RING KIT  
Cod. SMG1801B



Fluid : Compressed filtered air with or without lubrication

If lubrication used at ones must be continious .

Pressure range : min.2 bar - max. 10 bar

Temperature range : - 10 ° C / + 50 ° C

Version : 3/2 \* 2 - 1/8" DOUBLE PILOT N.C.

Materials

Covers : Front cover al. 2011 natural colored anodized

spool : Al. 6000 anodized 0,4 µm

Seals : NBR

Body : Anodized aluminium 2011

Orifice : 5 mm

Mounting : In any position

Flow rate : 300 NI/ min at 6 bar

Cycle per min. : 180 cycle / min ( from port 2 or port 4 to neutral position )

Vacuum : Not possible

## BASE



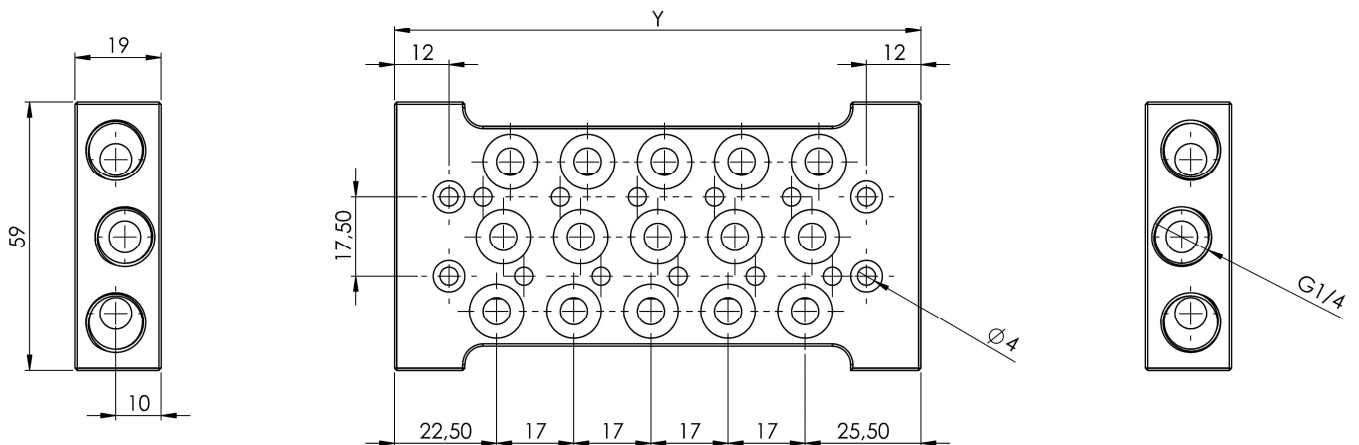
### ORDERING CODES for BASES & PLANKING PLATE

|                     |                  |
|---------------------|------------------|
| 2 POSITION SMG BASE | : SMGPL180000002 |
| 3 POSITION SMG BASE | : SMGPL180000003 |
| 4 POSITION SMG BASE | : SMGPL180000004 |
| 5 POSITION SMG BASE | : SMGPL180000005 |

For more position of the bases  
please see page - SMG 24 -

ALL THE BASES SUPPLIED WITH O – RINGS AND A SCREWS

## DRAWINGS



| Y      |        |        |        |
|--------|--------|--------|--------|
| POS. 2 | POS. 3 | POS. 4 | POS. 5 |
| 65 mm  | 82 mm  | 99 mm  | 116 mm |

3/2 – 1/8" SINGLE SOLENOID N.C.



- ❑ Flow rate is 600 NI / min. at 6 bar
- ❑ Pneumatic connection ports 1.2.3.4.5 .. 1/8"
- ❑ Body Al. 2011 natural anodized
- ❑ Covers Al. 2011 natural anodized / back cover black anodized
- ❑ Min. working pressure is 2 bar
- ❑ 3 cycle / sec. reachable max. life time
- ❑ Voltage is 24 v dc

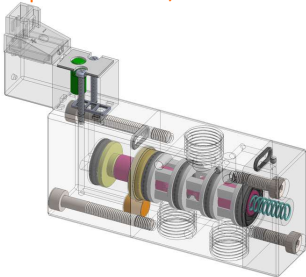
3/2 – 1/8" SINGLE SOLENOID N.O.



ORDERING CODES for a VALVE

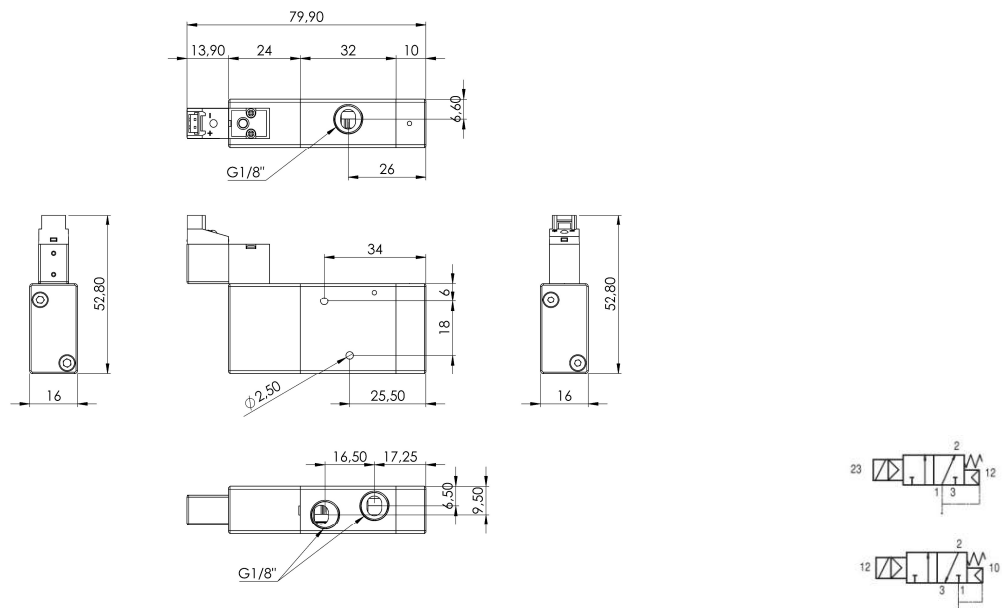
- |                                 |                  |
|---------------------------------|------------------|
| 3/2 – 1/8" SINGLE SOLENOID n.c. | : SMG3218TB00MNC |
| 3/2 – 1/8" SINGLE SOLENOID n.o. | : SMG3218TB00MNA |

Transparente view 3/2 n.c. - n.o.



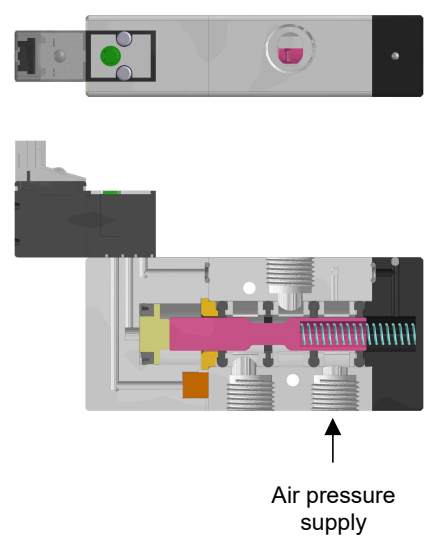
|                   |                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------|
| Fluid             | : Compressed filtered air with or without lubrication                                   |
|                   | If lubrication used at ones must be continious .                                        |
| Pressure range    | : min.2 bar - max. 7 bar spring return with internal air pilot                          |
| Temperature range | : - 10 ° C / + 50 ° C                                                                   |
| Version           | : 3/2 - 1/8" spring return / n.o. / n.c.                                                |
| Materials         |                                                                                         |
| Covers            | : Front cover al. 2011 natural anodized back cover Al.2011 black anodized               |
| spool             | : Al. 6000 anodized 0,4 µm                                                              |
| Seals             | : NBR                                                                                   |
| Body              | : Natural anodized aluminium al. 2011                                                   |
| Nominal Orifice   | : 5 mm                                                                                  |
| Mounting          | : In any position                                                                       |
| Flow rate         | : 600 NI/ min. at 6 bar Δp 1 bar                                                        |
| Life time         | : 3 cycle / sec. with suitable cylinder / 50.000 cycle life time under proper condition |
| Vacuum            | : Vacuum and low pressure application is not possible                                   |

DRAWING ( N.C. / N.O. ) ( EXTERNAL PILOT )



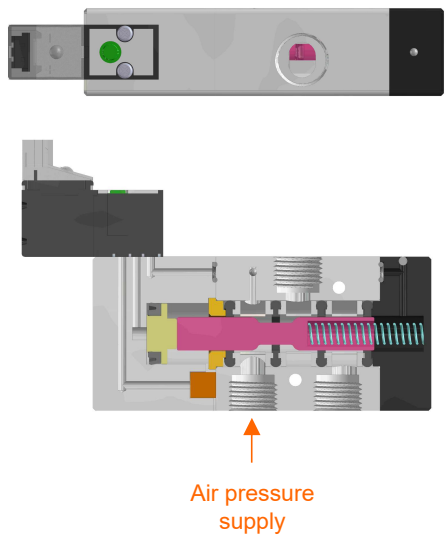
SOLID IMAGE

(3/2 single solenoid n.c.)



SOLID IMAGE

(3/2 single solenoid n.o.)



ACCESSORIES & SPARE PARTS

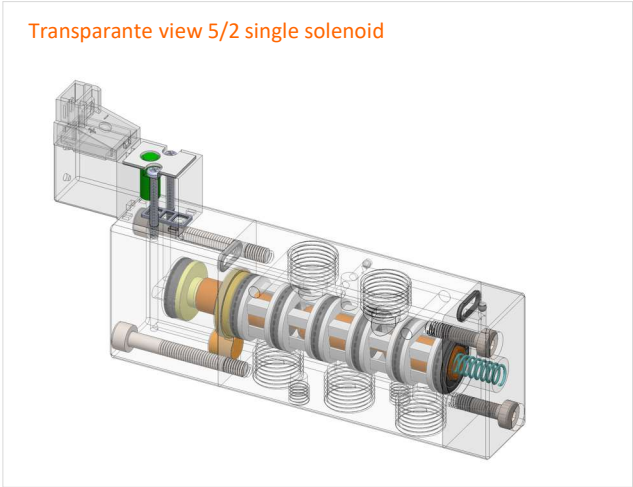


5/2 – 1/8" SINGLE SOLENOID ( spring return with air pilot )



- ❑ Flow rate is 600 NI / min. at 6 bar
- ❑ Pneumatic connection ports 1.2.3.4.5 ... 1/8"
- ❑ Body Al. 2011 natural anodized
- ❑ Front cover Al. 2011 natural anodized / Back cover black anodized
- ❑ Min. working pressure is 2 bar / Max. 7 bar
- ❑ 3 cycle / sec. reachable max. life time
- ❑ Coil voltage is 24 v dc

Transparent view 5/2 single solenoid

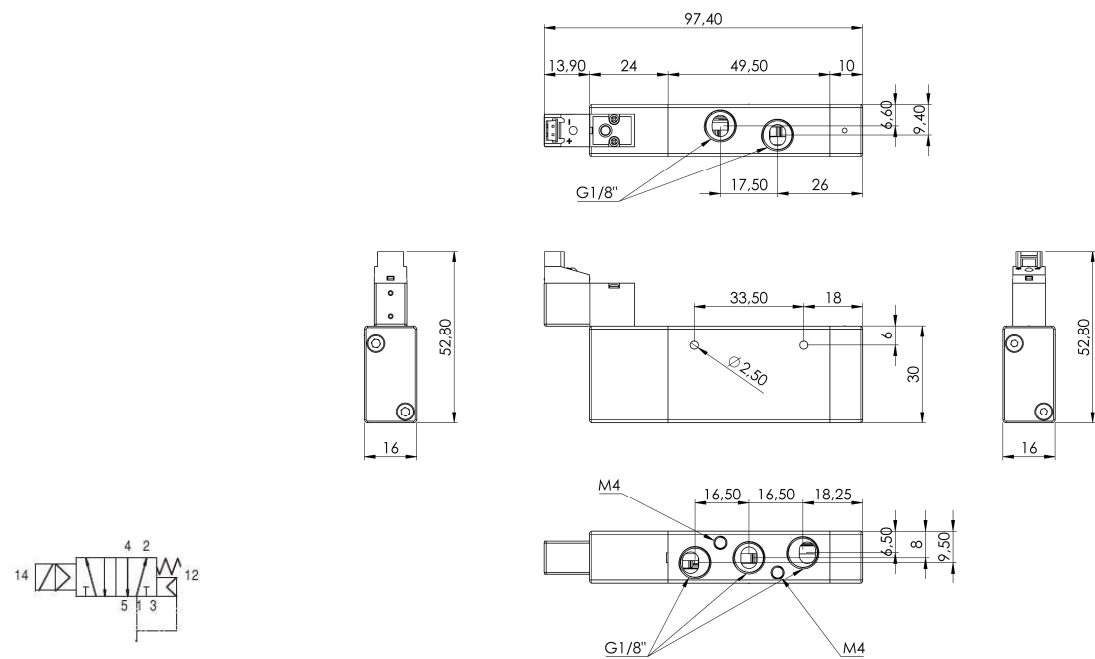


ORDERING CODES for a VALVE  
5/2 – 1/8" SINGLE SOLENOID 24 v dc : SMG5218TB00M00  
( spring return with internal pilot air )

|                   |                                                                               |
|-------------------|-------------------------------------------------------------------------------|
| Fluid             | : Compressed filtered air with or without lubrication                         |
|                   | If lubrication used at ones must be continious .                              |
| Pressure range    | : Optimum working pressure range : min.2 bar max. 7 bar                       |
| Temperature range | : - 10 ° C / + 50 ° C                                                         |
| Version           | : 5/2 - 1/8" spring return with internal pilot air                            |
| Materials         |                                                                               |
| Covers            | : Front cover al. 2011 natural anodized back cover Al.2011 black anodized     |
| spool             | : Al. 6000 anodized 0,4 µm                                                    |
| Seals             | : NBR                                                                         |
| Body              | : Natural anodized aluminium al. 2011                                         |
| Nominal Orifice   | : 5 mm                                                                        |
| Mounting          | : In any position                                                             |
| Flow rate         | : 500 NI/ min. at 6 bar Δp 1 bar                                              |
| Life time         | : 3 cycle / sec . reachable 40 milion cycle life time under proper conditions |

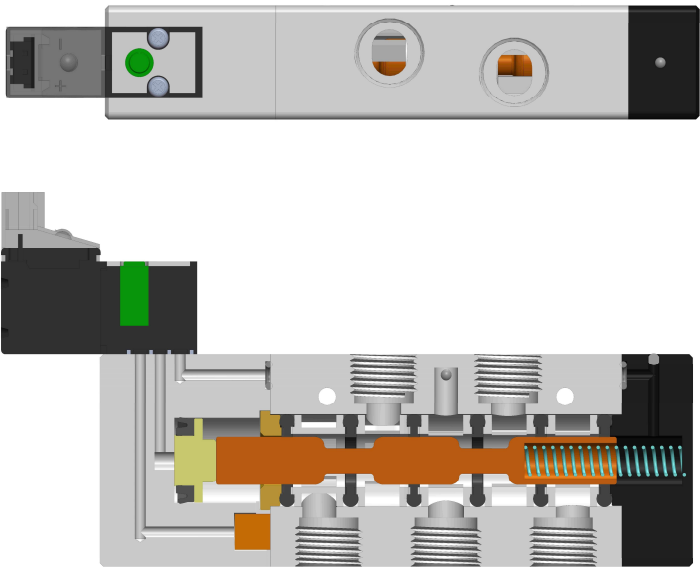
DRAWING

( 5/2 spring return )



SOLID IMAGE

(5/2 single solenoid)



ACCESSORIES & SPARE PARTS



COIL with LED & cable  
( page M.28 )



6 \* spool o-ring  
1 \* valve piston gasket

O- RING KIT  
Cod. SMG1801



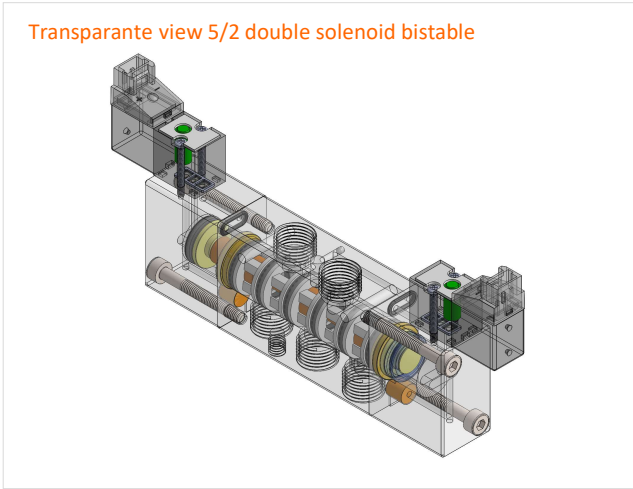
BASES &  
BLANKING PLATE  
( page M.26 )

5/2 – 1/8" DOUBLE SOLENOID ( bistable )



- ❑ Flow rate is 600 NI / min. at 6 bar
- ❑ Pneumatic connection ports 1.2.3.4.5 ... 1/8"
- ❑ Body Al. 2011 natural anodized
- ❑ Covers Al. 2011 natural anodized
- ❑ Min. working pressure is 1,5 bar / Max. 7 bar
- ❑ 5 cycle / sec. reachable max. life time
- ❑ Coil voltage is 24 v dc

Transparente view 5/2 double solenoid bistable



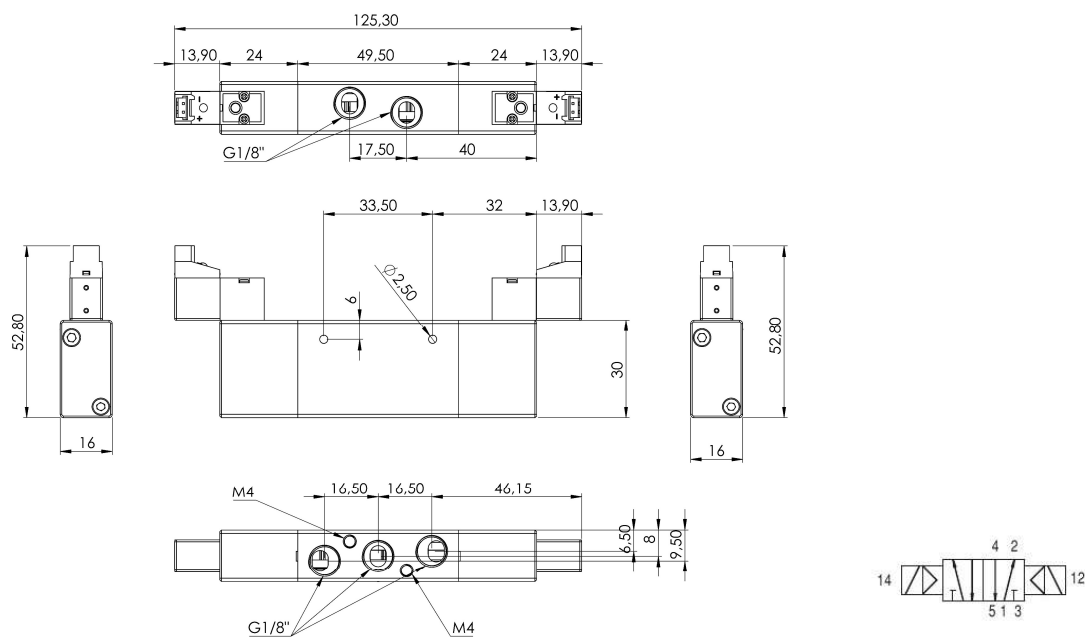
ORDERING CODES for a VALVE

5/2 – 1/8" BISTABLE : SMG5218CB00M00

|                   |                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------|
| Fluid             | : Compressed filtered air with or without lubrication                                   |
|                   | If lubrication used at ones must be continious .                                        |
| Pressure range    | : min.1,5 bar max. 7 bar                                                                |
| Temperature range | : - 10 ° C / + 50 ° C                                                                   |
| Version           | : 5/2 - 1/8" bistable double solenoid                                                   |
| Materials         |                                                                                         |
| Covers            | : Front cover al. 2011 natural anodized                                                 |
| spool             | : Al. 6000 anodized 0,4 µm                                                              |
| Seals             | : NBR                                                                                   |
| Body              | : Natural anodized aluminium al. 2011                                                   |
| Nominal Orifice   | : 5 mm                                                                                  |
| Mounting          | : In any position                                                                       |
| Flow rate         | : 600 NI/ min. at 6 bar Δp 1 bar                                                        |
| Life time         | : 3 cycle / sec. with suitable cylinder / 50.000 cycle life time under proper condition |
|                   |                                                                                         |

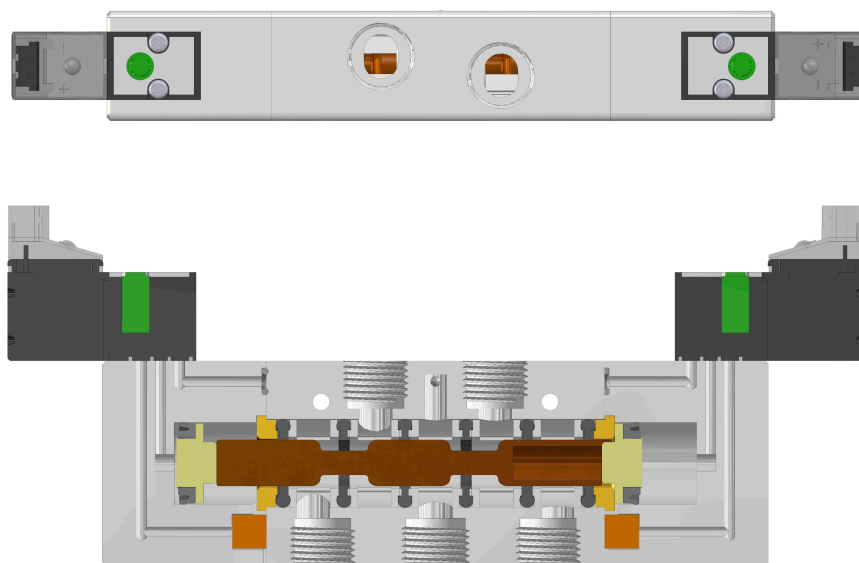
## DIMENSIONES

( 5/2 bistable )



## SOLID IMAGE

(5/2 bistable solenoid)



## ACCESSORIES &amp; SPARE PARTS

COILS & SOCKETS  
( page M.28 )6 \* spool o-ring  
2 \* valve piston gasketO- RING KIT  
Cod. SMG180BBASES &  
BLANKING PLATE  
( page M.26 )

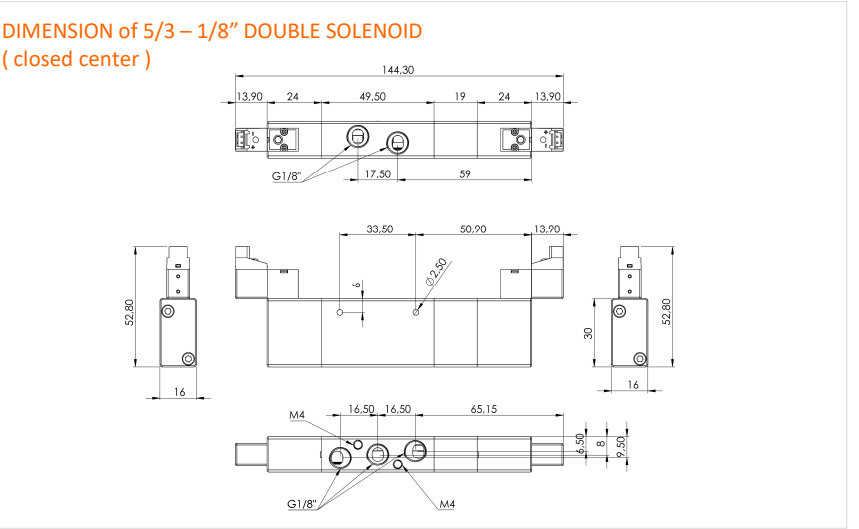
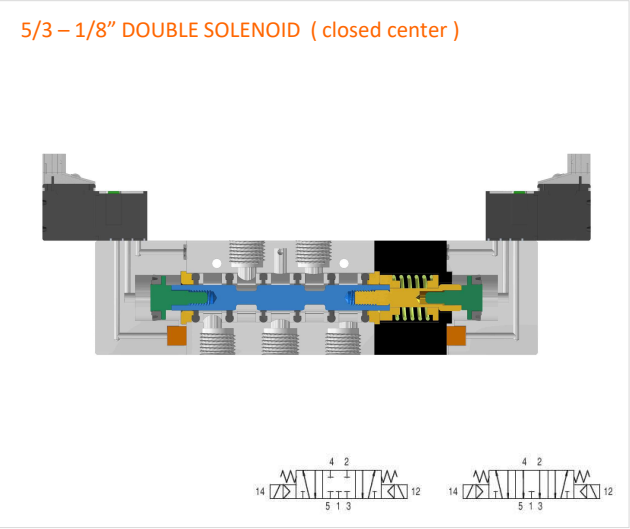
5/3 – 1/8" DOUBLE SOLENOID ( closed center )



- ❑ Flow rate is 400 NI / min. at 6 bar
- ❑ Pneumatic connection ports 1.2.3.4.5 .. 1/8"
- ❑ Body Al. 2011 natural anodized
- ❑ Covers Al. 2011 natural anodized
- ❑ Min. working pressure is 3 bar
- ❑ 3 cycle / sec. reachable max. life time
- ❑ Voltages are 24 v dc

| ORDERING CODES for a VALVE     |   |                |
|--------------------------------|---|----------------|
| 5/3 –1/8" DOUBLE SOLENOID C.C  | : | SMG5318CB00MKM |
| 5/3 –1/8" DOUBLE SOLENOID O.C. | : | SMG5318CB00MAM |

5/3 – 1/8" DOUBLE SOLENOID ( closed center )



|                   |        |                                                               |
|-------------------|--------|---------------------------------------------------------------|
| Fluid             | :      | Compressed filtered air with or without lubrication           |
|                   |        | If lubrication used at ones must be continious .              |
| Pressure range    | :      | min. 3 bar - max. 7 bar                                       |
| Temperature range | :      | - 10 ° C / + 50 ° C                                           |
| Version           | :      | 5/3 - 1/8" double solenoid / closed center / open center      |
| Materials         |        |                                                               |
|                   | Covers | : Front cover al. 2011 natural anodized                       |
|                   | spool  | : Al. 6000 anodized 0,4 µm                                    |
|                   | Seals  | : NBR                                                         |
|                   | Body   | : Natural anodized aluminium al. 2011                         |
| Orifice           | :      | 5 mm                                                          |
| Mounting          | :      | In any position                                               |
| Flow rate         | :      | 400 NI/ min at 6 bar                                          |
| Cycle per min.    | :      | 150 cycle / min ( from port 2 or port 4 to neutral position ) |
|                   |        |                                                               |

## 3/2 – 1/8" DOUBLE SOLENOID ( 2 \* N.C. )



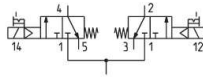
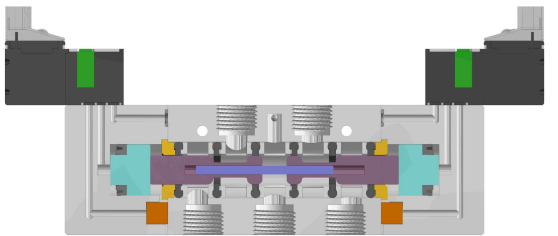
- ❑ Flow rate is 300 NI / min. at 6 bar
- ❑ Pneumatic connection ports 1.2.3.4.5 .. 1/8"
- ❑ Body Al. 2011 natural anodized
- ❑ Front cover Al. 2011 natural anodized
- ❑ Min. working pressure is 2 bar
- ❑ 3 cycle / sec. reachable max. life time
- ❑ Voltages are 24 v dc

## ORDERING CODES for a VALVE

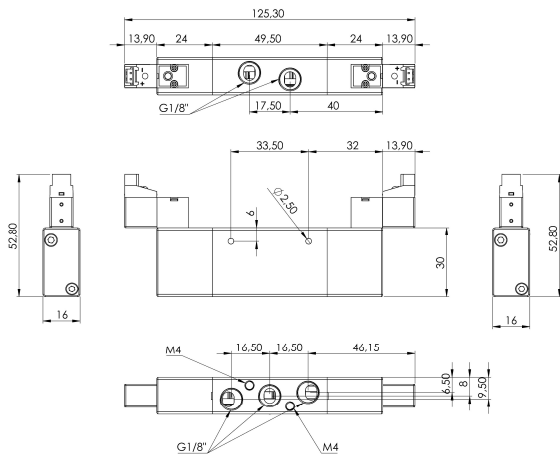
3/2 – 1/8" DOUBLE SOLENOID 2 \* N.C.

: SMG3218CB02MNK

## 3/2 – 1/8" DOUBLE SOLENOID ( 2 \* N.C. )



## DIMENSIONES



Fluid : Compressed filtered air with or without lubrication

If lubrication used at ones must be continuous .

Pressure range : min.2 bar max. 7 bar

Temperature range : - 10 ° C / + 50 ° C

Version : 2 \* 3/2 - 1/8" double solenoid – air spring return

## Materials

Covers : Front cover al. 2011 natural anodized

spool : Al. 6000 anodized 0,4 µm

Seals : NBR

Body : Natural anodized aluminium al. 2011

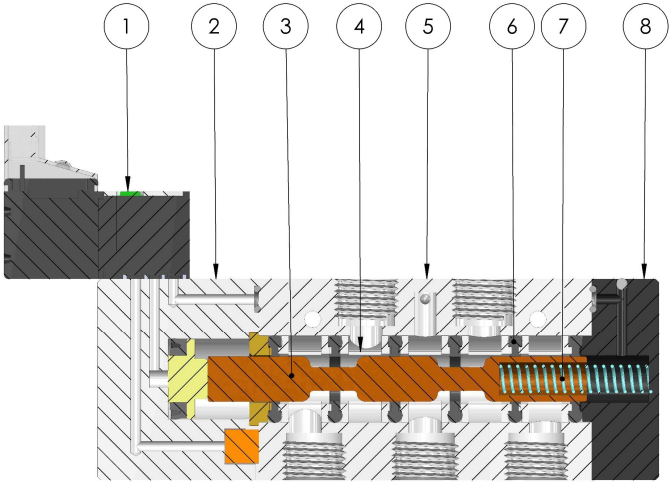
Nominal Orifice : 5 mm

Mounting : In any position

Flow rate : 300 NI/ min. at 6 bar Δp 1 bar

Life time : 3 cycle / sec. with suitable cylinder / 50.000 cycle life time under proper condition

INTERNAL PARTS OF SEMAKMATIC SERIE SOLENOID VALVE



|   |                 |                                                |
|---|-----------------|------------------------------------------------|
| 1 | MANUAL OVERRIDE | PLASTIC MATERIAL                               |
| 2 | HEAD            | AL 2011 NATURAL COLORED ANODIZED               |
| 3 | SPOOL           | HARD ALUMINIUM ANODIZED                        |
| 4 | DISTANCERS      | FORTRON 1140 L4                                |
| 5 | BODY            | AL 2011 NATURAL ANODIZED                       |
| 6 | SEALS           | HYDROGENATED NITRILE BUTADIENE RUBBER ( HNBR ) |
| 7 | SPRING          | STAINLESS STEEL                                |
| 8 | BACK COVER      | BACK COVER BLACK COLORED ANODIZED              |

SPARE PARTS of THE VALVE ( O – RING kit )



O- RING KIT  
Cod. SMG1801A



O- RING KIT  
Cod. SMG1801



O- RING KIT  
Cod. SMG1801B

ORDERING Cod. SMG1801 – A - B

COILS AND SOCKETS



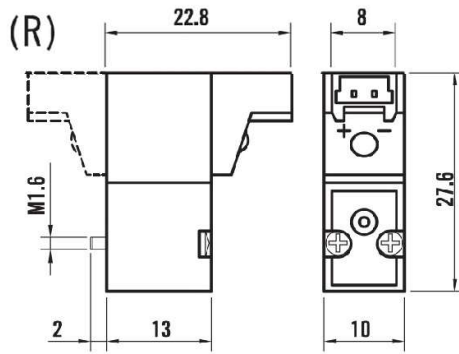
| For DC                 |                                             |
|------------------------|---------------------------------------------|
| Voltage tolerance      | + / - 5 %                                   |
| Electrical Consumption | 1.3W                                        |
| Frequenzy              | 30                                          |
| Voltages               | 24 DC                                       |
| Duty cycle             | % 100 ED                                    |
| Temperature range      | - 10 °C / + 50 ° C                          |
| Coil size              | 10 mm wide / suitable for 4,5 mm brass tube |
| Pneumatic Interface    | ISO15218                                    |

ORDERING CODES

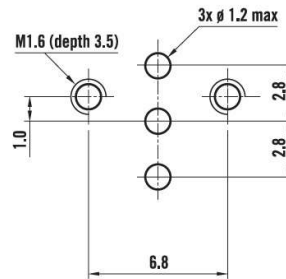
3/2 – MINI POPPET VALVE  
KABLO / CABLE

SMV32M5TBP1TNK  
SMV000000P100K

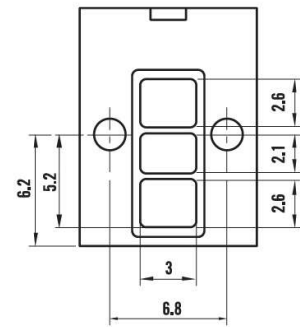
COILS AND SOCKETS



90° CONNECTOR  
CONNETTORE 90°

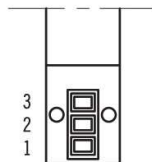


SUGGESTED SUBBASE



PNEUMATIC INTERFACE  
(ACCORDING TO ISO:15218)

|    |     |     |
|----|-----|-----|
| 1  | 2   | 3   |
| IN | OUT | EXH |



3/2 N.C.





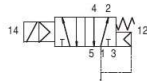


**SEMAK MATIC**  
PNEUMATIC EQUIPMENTS

## SMG MULTIPIN SERİ VALFLER / SMG MP VALVES

|                                                                     |                |
|---------------------------------------------------------------------|----------------|
| <b>5/2 TEK BOBİN VALF / 5/2 SINGLE SOLENOID VALVE</b>               | <b>pag. 20</b> |
| <b>5/2 ÇİFT BOBİN VALF / 5/2 BISTABLE VALVE</b>                     | <b>pag. 21</b> |
| <b>2 * 3/2 ÇİFT BOBİN VALFLER / 2 * 3/2 DOUBLE SOLENOID VALVES</b>  | <b>pag. 22</b> |
| <b>5/3 ÇİFT BOBİN K.M. – A.M. / 5/3 DOUBLE SOLENOID C.C. – O.C.</b> | <b>pag. 23</b> |
| <b>PLEYTLER / BASES</b>                                             | <b>pag. 24</b> |
| <b>MULTIPIN KUTULARI .. KABLOLARI / MULTIPIN BOXES .. CABLES</b>    | <b>pag. 25</b> |
| <b>VALF ADASI MONTAJI / HOW TO ASSEMBLE A VALVE TERMINAL</b>        | <b>pag. 26</b> |

- 
- This diagram shows an exploded view of a mechanical assembly. The main components include a central shaft with several rollers or guides, a large black rectangular actuator or motor at the top left, and a complex base assembly with multiple springs (coiled metal) and bolts. The assembly is shown in a disassembled state to illustrate the relationship between the parts.



Technical drawings of the 105,50 mm long component, showing front, side, and detail views with dimensions and callouts.

**Front View (Top):** Shows the main profile with a total length of 105,50 mm. Key dimensions include 46 mm, 49,50 mm, and 10 mm. Callouts G1/8 and M4 are present.

**Side View (Bottom):** Shows the component's profile with a total length of 105,50 mm. Key dimensions include 33,50 mm and 18 mm. Callouts G1/8 and M4 are present.

**Detail View (Bottom Left):** Shows a close-up of the component's end with dimensions  $\phi 10$ ,  $\phi 2,50$ , and  $\phi 1,95$ .

**Detail View (Bottom Right):** Shows a close-up of the component's end with dimensions 16 mm and 43 mm.

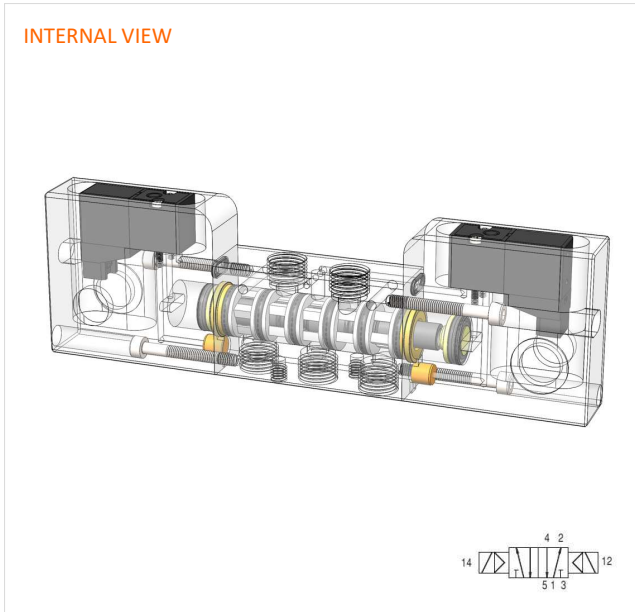
**SEMAK MATIC**  
PNEUMATIC EQUIPMENTS

5/2 – 1/8" DOUBLE SOLENOID ( bistable )



- ❑ Flow rate is 600 NI / min. at 6 bar
- ❑ Pneumatic connection ports 1.2.3.4.5 ... 1/8"
- ❑ Body Al. 2011 natural anodized
- ❑ Covers Al. 2011 natural anodized
- ❑ Min. working pressure is 1,5 bar / Max. 7 bar
- ❑ 5 cycle / sec. reachable max. life time
- ❑ Coil voltage is 24 v dc

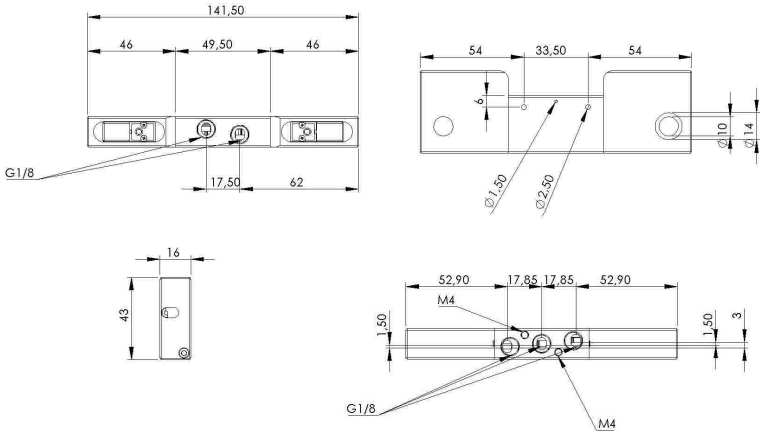
INTERNAL VIEW



ORDERING CODES for a VALVE

5/2 – 1/8" DOUBLE SOLENOID BISTABLE : SMG52MPCB00M00

DIMENSIONES



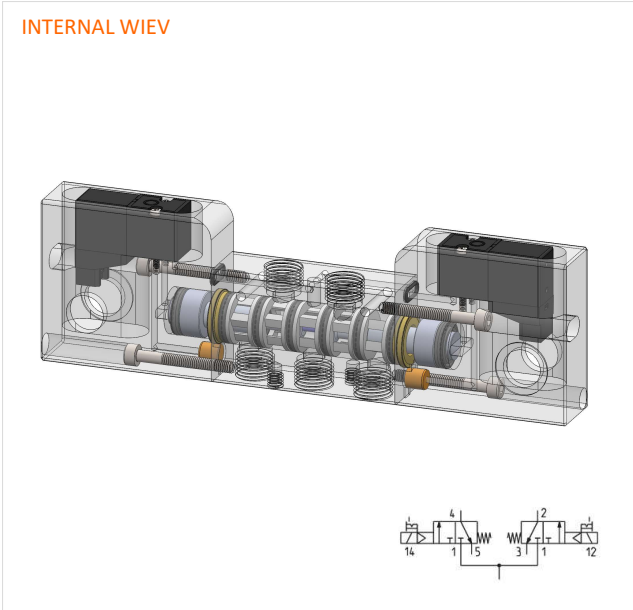
|                         |                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------|
| Fluid                   | : Compressed filtered air with or without lubrication                                   |
|                         | If lubrication used at ones must be continious .                                        |
| Pressure range          | : Optimum working pressure range : min.1,5 bar max. 7 bar                               |
| Temperature range       | : - 10 ° C / + 50 ° C                                                                   |
| Version                 | : 5/2 - 1/8" double solenoid bistable                                                   |
| Materials               |                                                                                         |
| Covers                  | : Al. 2011 natural anodized                                                             |
| spool                   | : Al. 6000 anodized 0,4 µm                                                              |
| Seals                   | : NBR                                                                                   |
| Body                    | : Natural anodized aluminium al. 2011                                                   |
| Nominal Orifice         | : 5 mm                                                                                  |
| Mounting                | : In any position                                                                       |
| Flow rate               | : 600 NI/ min. at 6 bar Δp 1 bar                                                        |
| Life time               | : 5 cycle / sec. with suitable cylinder / 50.000 cycle life time under proper condition |
| Vacuum / external pilot | : Not possible                                                                          |

2 \* 3/2 N.C. – 1/8" DOUBLE SOLENOID



- ❑ Flow rate is 300 NI / min. at 6 bar
- ❑ Pneumatic connection ports 1.2.3.4.5 ... 1/8"
- ❑ Body Al. 2011 natural anodized
- ❑ Covers Al. 2011 natural anodized
- ❑ Min. working pressure is 2 bar / Max. 7 bar
- ❑ 3 cycle / sec. reachable max. life time
- ❑ Coil voltage is 24 v dc

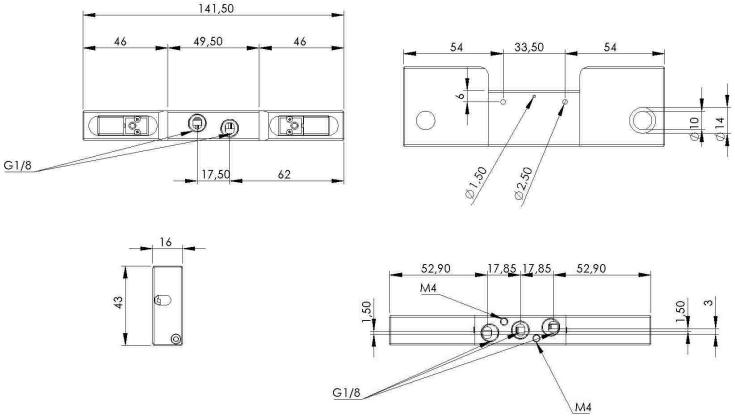
INTERNAL WIEV



ORDERING CODES for a VALVE

2 \* 3/2 – 1/8" DOUBLE SOLENOID 2 \* N.C. : SMG32MPCB02MNK

DIMENSIONES



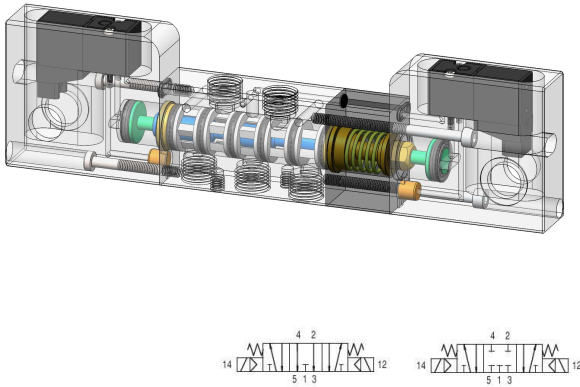
|                         |                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------|
| Fluid                   | : Compressed filtered air with or without lubrication                                   |
|                         | If lubrication used at ones must be continious .                                        |
| Pressure range          | : Optimum working pressure range : min.2 bar max. 7 bar                                 |
| Temperature range       | : - 10 ° C / + 50 ° C                                                                   |
| Version                 | : 2 * 3/2 - 1/8" double solenoid                                                        |
| Materials               |                                                                                         |
| Covers                  | : Al. 2011 natural anodized                                                             |
| spool                   | : Al. 6000 anodized 0,4 µm                                                              |
| Seals                   | : NBR                                                                                   |
| Body                    | : Natural anodized aluminium al. 2011                                                   |
| Nominal Orifice         | : 5 mm                                                                                  |
| Mounting                | : In any position                                                                       |
| Flow rate               | : 300 NI/ min. at 6 bar Δp 1 bar                                                        |
| Life time               | : 3 cycle / sec. with suitable cylinder / 50.000 cycle life time under proper condition |
| Vacuum / external pilot | : Not possible                                                                          |

## 5/3 – 1/8" DOUBLE SOLENOID ( closed center )



- ❑ Flow rate is 400 NI / min. at 6 bar
- ❑ Pneumatic connection ports 1.2.3.4.5 ... 1/8"
- ❑ Body Al. 2011 natural anodized
- ❑ Covers Al. 2011 natural anodized
- ❑ Min. working pressure is 3 bar / Max. 7 bar
- ❑ 3 cycle / sec. reachable max. life time
- ❑ Coil voltage is 24 v dc

## INTERNAL VIEW 5/3 – 1/8" DOUBLE SOLENOID C.C.

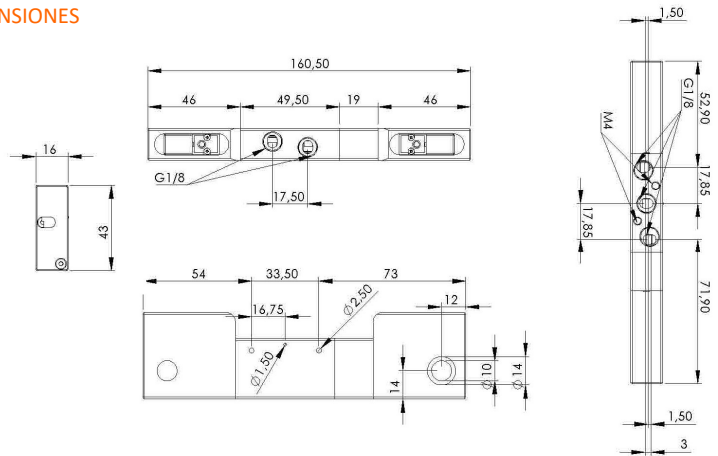


## ORDERING CODES for a VALVE

5/3 – 1/8" DOUBLE SOLENOID C.C.  
5/3 – 1/8" DOUBLE SOLENOID O.C.

: SMG53MPCB00MKM  
: SMG53MPCB00MAM

## DIMENSIONES



Fluid : Compressed filtered air with or without lubrication

If lubrication used at ones must be continuous .

Pressure range : Optimum working pressure range : min.3 bar max. 7 bar

Temperature range : - 10 ° C / + 50 ° C

Version : 5/3 - 1/8" double solenoid C.C / O.C.

## Materials

Covers : Al. 2011 natural anodized /

spool : Al. 6000 anodized 0,4 µm

Seals : NBR

Body : Natural anodized aluminium al. 2011

Nominal Orifice : 5 mm

Mounting : In any position

Flow rate : 400 NI/ min. at 6 bar Δp 1 bar

Life time : 3 cycle / sec. with suitable cylinder / 50.000 cycle life time under proper condition

Vacuum / external pilot : Not possible

BASE

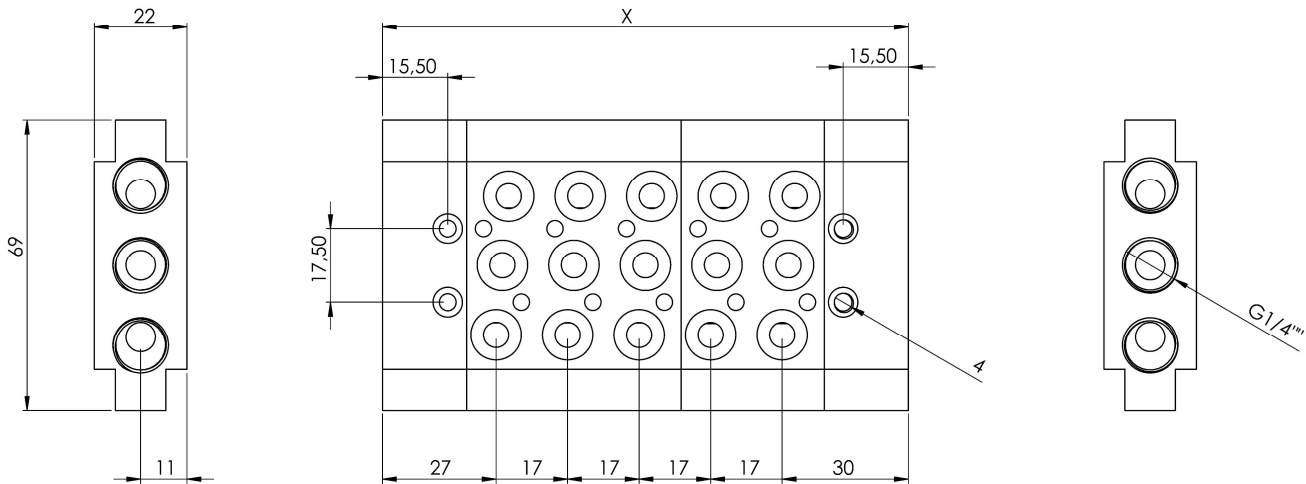


ORDERING CODES for BASES & PLANKING PLATE

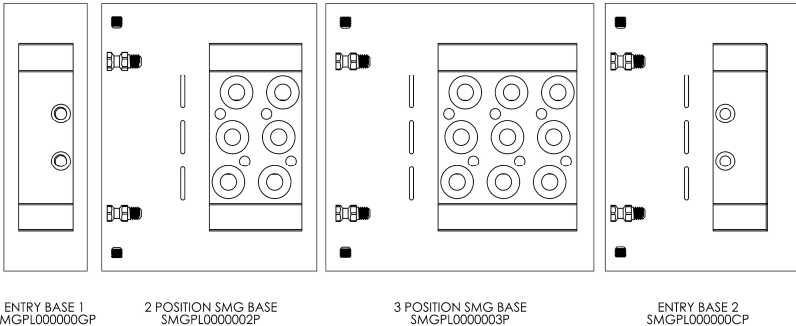
|                                |                  |
|--------------------------------|------------------|
| 2 POSITION SMG BASE            | : SMGPL0000002P  |
| 3 POSITION SMG BASE            | : SMGPL0000003P  |
| ENTRY BASE 1                   | : SMGPL000000GP  |
| ENTRY BASE 2                   | : SMGPL000000CP  |
| BLANKING PLATE                 | : SMGPL000000KP  |
| PLATE FOR ADD. AIR AND EXHAUST | : SMGPL000000EHP |
| PRESSURE DIFFERENCE PLUG       | : SMGPL000000BFT |

ALL THE BASES SUPPLIED WITH O – RINGS AND SCREWS

DRAWINGS



| X      |        |        |        |        |        |        |        |         |         |         |          |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|----------|
| POS. 2 | POS. 3 | POS. 4 | POS. 5 | POS. 6 | POS. 7 | POS. 8 | POS. 9 | POS. 10 | POS. 11 | POS. 12 | POS. ... |
| 74 mm  | 91 mm  | 108 mm | 125 mm | 142 mm | 159 mm | 176 mm | 193 mm | 210 mm  | 227 mm  | 244 mm  | ... mm   |



MULTIPIN BOXES

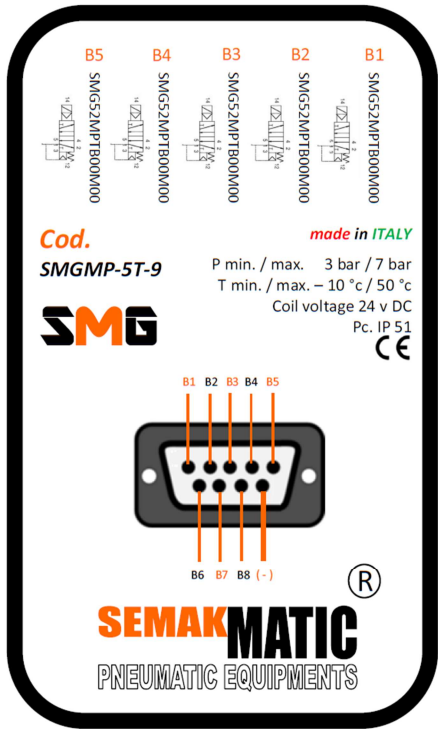
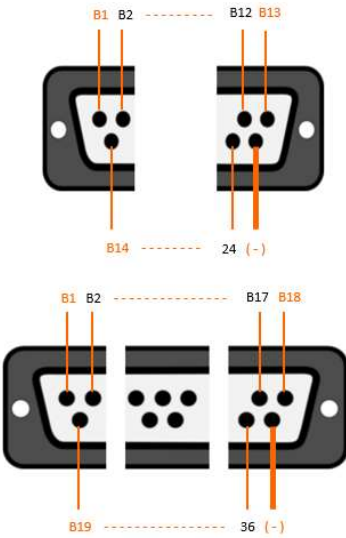
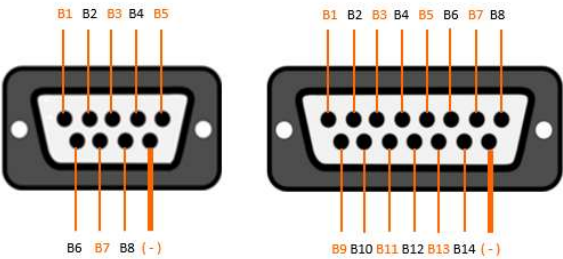
- \* 9 PIN BOX
- \* 15 PIN BOX
- \* 25 PIN BOX
- \* 37 PIN BOX



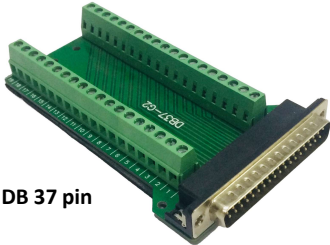
Boxes are made with aluminium material.  
RS 232 connection pcb bord is with solderless klemens.  
Protection class is standart IP 51 . IP 65 - 67 on request .  
Information sticker is made of special waterproof material

ORDERING CODES for Boxes

|            |                 |
|------------|-----------------|
| 9 PIN BOX  | : SMGKU10000009 |
| 15 PIN BOX | : SMGKU20000015 |
| 25 PIN BOX | : SMGKU30000025 |
| 37 PIN BOX | : SMGKU40000037 |



Abbreviation  
B1 ... coil 1  
B2 ... coil 2  
...  
B36 .. coil 36



MULTIPIN CABLES

- \* 9 PIN CABLE with DB 9 connector
- \* 15 PIN CABLE with DB 15 connector
- \* 25 PIN CABLE with DB 25 connector
- \* 37 PIN CABLE with DB 37 connector

DB 9 – 15 – 25 – 37 D SUB serial terminal Male adaptör .  
Rs 232 solderless type  
PVC grey colored cable under the standart of LIY ( St ) CY - OZ  
Dia of internal cable is 0,22 mm² ( number indicator from 1 to ... 37 )

ORDERING CODES for Cables

|              |                 |
|--------------|-----------------|
| 9 PIN CABLE  | : SMGKA00000009 |
| 15 PIN CABLE | : SMGKA00000015 |
| 25 PIN CABLE | : SMGKA00000025 |
| 37 PIN CABLE | : SMGKA00000037 |

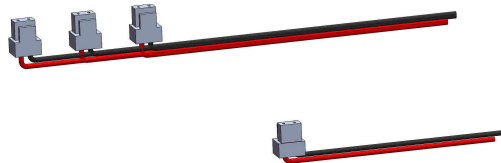


## SMG MP VALVE TERMINAL PARTS

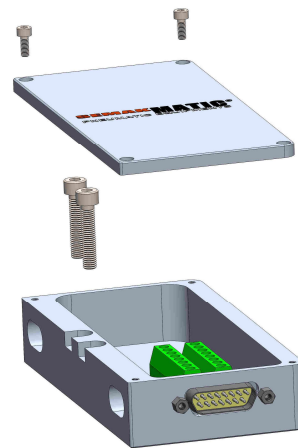
24 v DC COILS



SOCKETS with WIRE



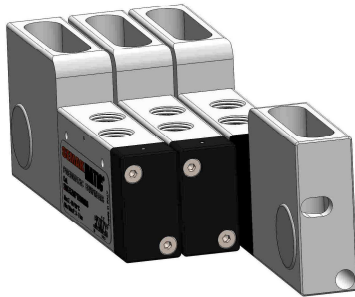
9 PIN BOX  
15 PIN BOX  
25 PIN BOX  
37 PIN BOX



DB 9  
DB 15  
DB 25  
DB 37  
FEMALE  
SOLDERLESS  
RS 232

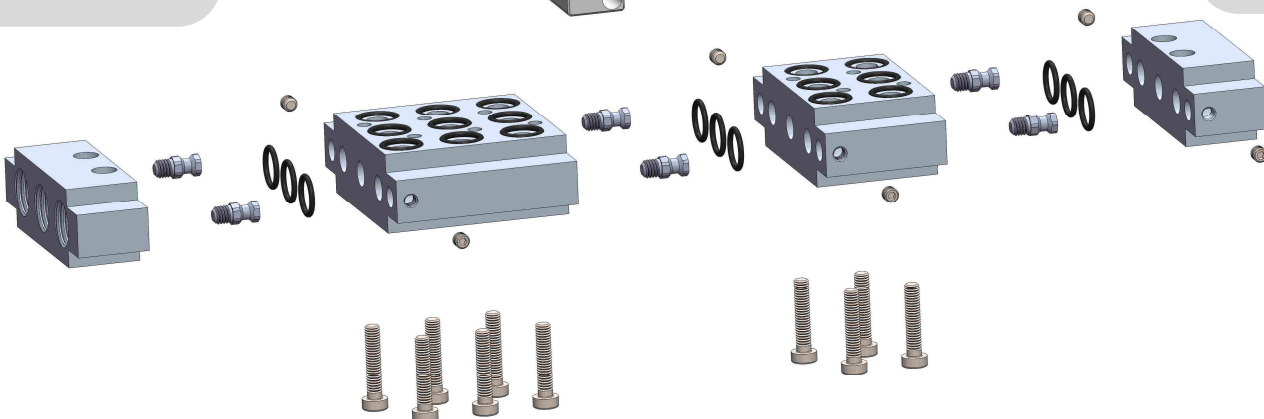
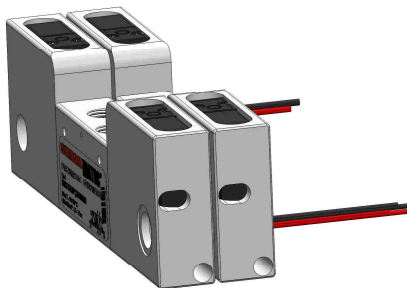
SMG MP VALVE **T**  
5/2 single solenoid

SMG MP VALVE **K**  
5/3 – C.C.  
Double solenoid



SMG MP VALVE **N**  
2 x 3/2  
double solenoid

SMG MP VALVE **C**  
5/2 double solenoid



SMG MP ENTRY BASE

3 POSITION BASE

2 POSITION BASE

SMG MP END BASE





**Cod.**  
**SMGMP-5T-1K-1C-1N-15**

**SEMAK****MATIC**  
PNEUMATIC EQUIPMENTS

## **SEMATİK** LTD. ŞTİ.

DARÜLACEZE CAD. PERPA TİCARET MERKEZİ  
B BLOK KAT 11 No. 1639 OKMEYDANI / İSTANBUL  
TÜRKİYE

TEL : 0090 212 221 27 80

[www.sematik.tr](http://www.sematik.tr)  
[sematik@sematik.tr](mailto:sematik@sematik.tr)

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