

SVY Series Solenoid Valve&Valve Terminal



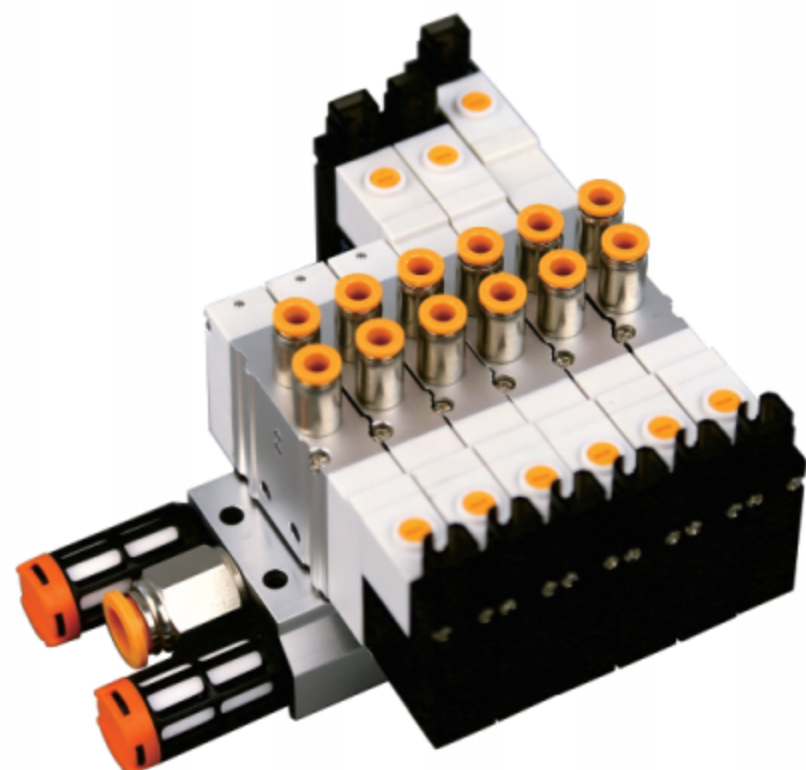
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SVY

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Solenoid Valve&Valve Terminal

Graphic symbols: same as SV valve symbols



Product Features

- Centralized air inlet and exhaust, available for top ported.
- The connector upwards for quick and easy installation of wiring.
- 5/2 ways, 5/3 ways, 5/4 ways(2pcs 3/2ways)can be integrated on same valve terminal.
- 0.8W per coil.

How to Order?

Solenoid Valve										
Series NO.	ID Code	Ports	Positions	Body Size	Controls	Original Status	Port Size	Voltage	Wiring	Thread Type
S: Standard	VY: Piping on valve	5:5 ports	2: 2 position 3: 3 position 4: 4 position dual 3-port valve	1:1 series 2:2 series 3:3 series	1:Signal control 2:Double control		M5:M5 M7:M7 06:1/8" (Remarks: Plate valve No such option)	E4:DC24V	Blank: None 0.3M: 0.3m wiring 0.6M: 0.6m wiring 1M: 1m wiring	Blank:G
C: 3 position 5 port(center close) P: 3 position 5 port(center pressure) E: 3 position 5 port(center exhaust) Y: 4 position dual 3-port valve(N.C.) H: 4 position dual 3-port valve(N.O.) U: 4 position dual 3-port valve(N.C./N.O.) YK:2pcs 3/2 (N.C.) spring return HK:2pcs 3/2 (N.O.) spring return UK:2pcs 3/2 (N.O./N.C.) spring return										

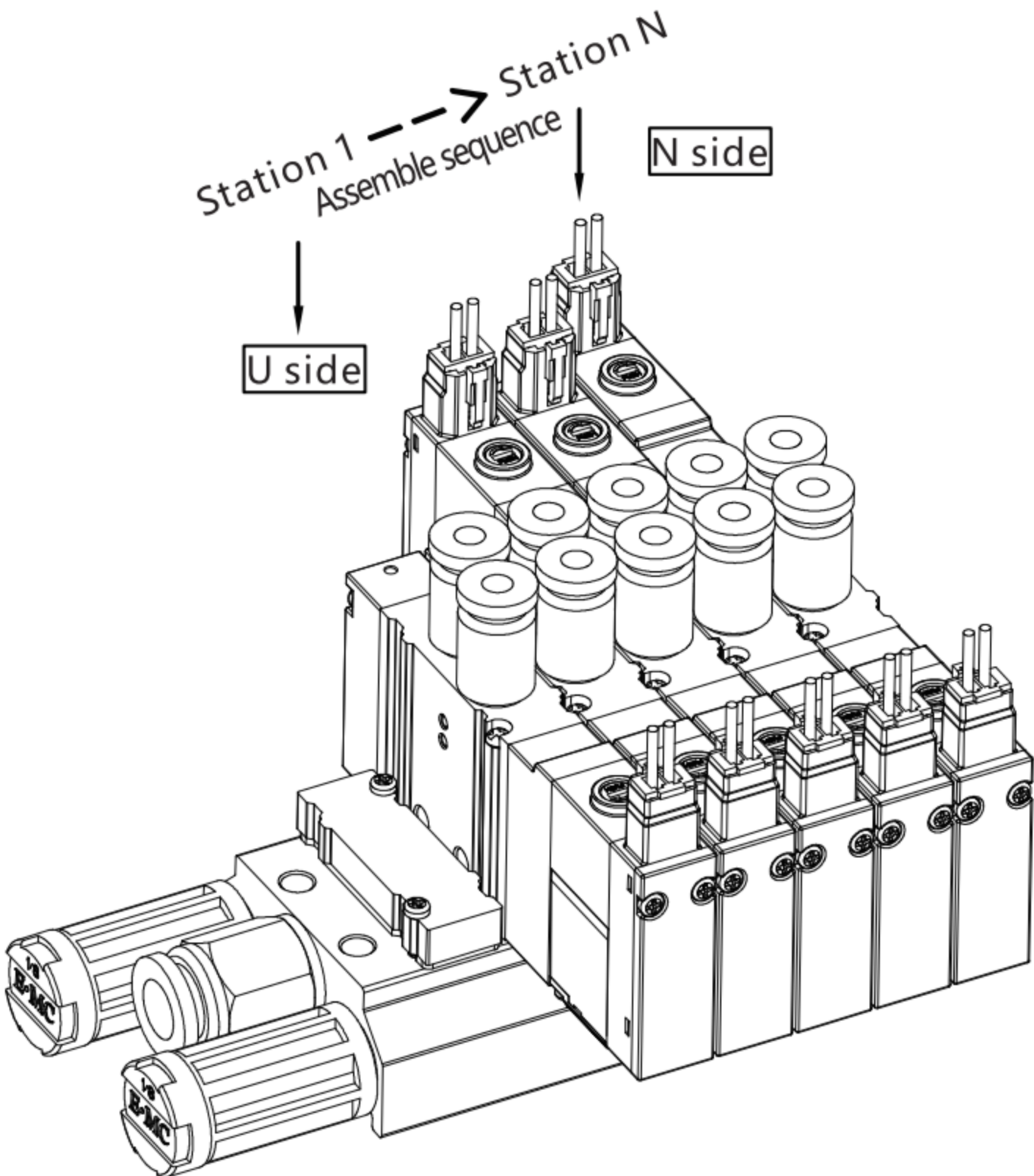
Order Example: S series standard type, piping on valve, 2 station 5 port, 1 series valve body, single control, M5 port, DC24V, 0.3 meter wiring. The ERP code is :SVY5211-M5E4-0.3M..

SVY Valve Terminal

Series NO.	5/2 way	Body Size	—	□	□	—	□	□	Voltage	—	Inlet& Exhaust Port	—	Wiring	—	Thread Type		
SVY: SVY Series	52	1: 1 series 2: 2 series						Valve qty (Applicable to different ports mixed, blank if same ports.	E4: DC24V				Blank: None 0.3m: 0.3m wiring 0.6m: 0.6m wiring 1m: 1m wiring		Blank:G P:PT T:NPT		
Qty (Max.24 links for same valve type)																	
Code	Function		Remark		Series	Code	Port size		Remark		Code	Port Entry		1Series	Remark		
S	5/2 single		Assembly sequence, 1st link start from U side.		1series	M5	M5 fitting		Assembly sequence, 1st link start from U side		Blank	Both side without silencer, fitting,plug		—	1.Plugs are mounted on the opposite side of the selected ports. 2.Only U, U1 side is available for bottom ported.		
D	5/2 double					C4	φ 4 one-touch fitting(ZPOC04-M5C)				U	U side with silencer, PC fitting		φ 8			
C	3 position 5 port(center close)						M7	M7 fitting			N	Station N with silencer, PC fitting					
P	3 Position 5 port(center pressure)							C6			φ 6 one-touch fitting(ZPOC06-M7C)		UN			Both side with silencer, PC fitting	
E	3 position 5 port(center exhaust)										UL	U side with silencer, PL fitting					
Y①	4 position dual 3-port valve(N.C.)				2 Series	06	1/8 port		NL	Station N with silencer, PL fitting		φ 10					
H①	4 position dual 3-port valve(N.O.)					C4	φ 4 one-touch fitting(ZPOC04-01G)		UNL	Both side with silencer, PL fitting							
U①	4 position dual 3-port valve(N.C./N.O.)						C6	φ 6 one-touch fitting(ZPOC06-01G)		U1	U side with silencer, POC fitting						
B	Blind plate							C8	φ 8 one-touch fitting(ZPOC08-01G)		N1		Station N with silencer, POC fitting				
YK	2pcs 3/2 (N.C.) spring return								UN1	Both side with silencer, POC fitting							
HK	2pcs 3/2 (N.O.) spring return																
UK	2pcs 3/2 (N.O./N.C.) spring return																

Order Example:

1. Same valve: SVY series valve terminal, 1 series body, 6 links 5/2 single control SVY5211, port size M5, DC24V, G thread, both side without silencer, fitting, plug, the ERP code is SVY521-6S-M5E4.
2. Mix different valve: SVY series valve terminal, 1 series body, see right picture:
station 1 is blind plate, station 2 & station 3 are 5/2 single control SVY5211, station 4 is 5/2 double control SVY5212, station 5 is 2pcs 3/2(N.O.) SVY5412H, station 6 is 5/3 SVY5312C. DC24V, U-sub side with silencer, φ 8 PC fitting, G thread.
The ERP code is SVY521-B2SDHC-C4E4-U.



Specifications

Model	SVY5211	SVY5212	SVY5412Y/U/H	SVY5412YK/UK/HK	SVY5312C/E/P	SVY5221	SVY5222	SVY5422Y/U/H	SVY5422YK/UK/HK	SVY5322C/E/P
Sectional Area (mm)	M5/C4: 5(CV=0.28) M7/C6: 7(CV=0.39)		M5/C4:4.6(CV=0.26) M7/C6:6.5(CV=0.36)			16.2(CV=0.9)		14.5(CV=0.8)		
Positions	2 position 5 port		dual 3/2 valves	dual 3/2 valves	3 position 5 port	2 position 5 port		dual 3/2 valves	dual 3/2 valves	3 position 5 port
Working Pressure(Mpa)	0.15~0.8			0.2~0.8		0.15~0.8			0.2~0.8	
Port Size	M5/M7					G1/8				
Working Medium	Clean air(After 40μm filtration)									
Pilot Exhaust Type	Internal pilot type/ External pilot type									
Reset Type	air return , air return+spring return									
Lubrication	No required									
Proof Pressure(Mpa)	1.2									
Working Temperature(℃)	-20 ~ 70(No freezing)									
Working Voltage	DC24V									
Voltage Range	±10%									
Power Consumption	Standard type: 0.8W									
Insulation Class	F Class									
Protective Class	IP40 dust proof									
Max.Acting Frequency	5/2: 5Cycles/s; 5/3: 3Cycles/s									
Activate Time(0.5Mpa)	15ms or less(0.5Mpa)									

Order Example:

Wiring(Same as RV5221 Wiring)

Wiring Series	Accessory	Wiring Length
DBL	P01: wiring accessory	0.3M: 0.3m wiring 0.6M: 0.6m wiring 1M: 1m wiring (Note: Please contact E.MC for customized length)

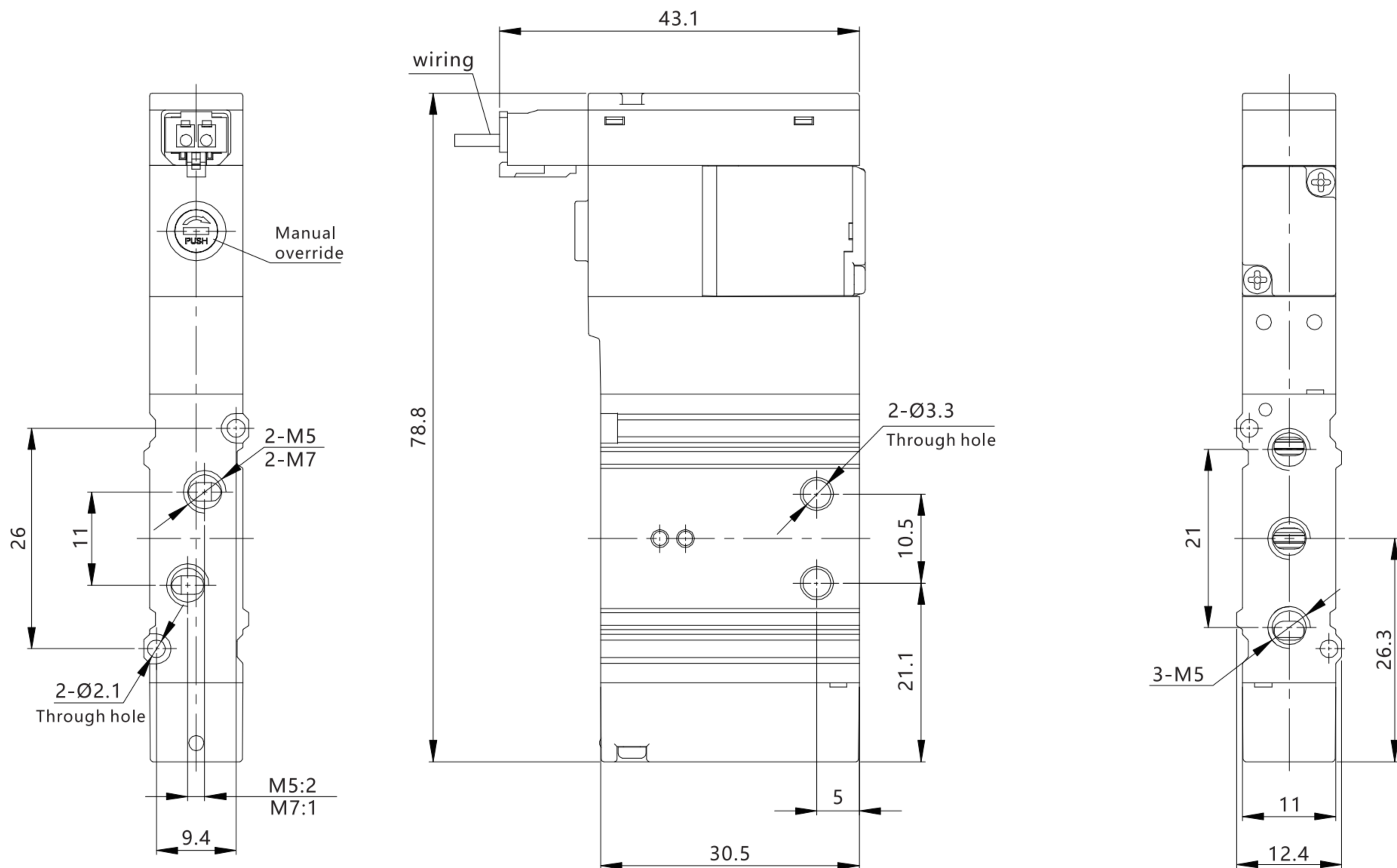
Blind Plate

Series	Type	Accessory	5/2 way	Body Size
S:Standard	VY:Normal	BP	52	1:1 Series 2:2 Series

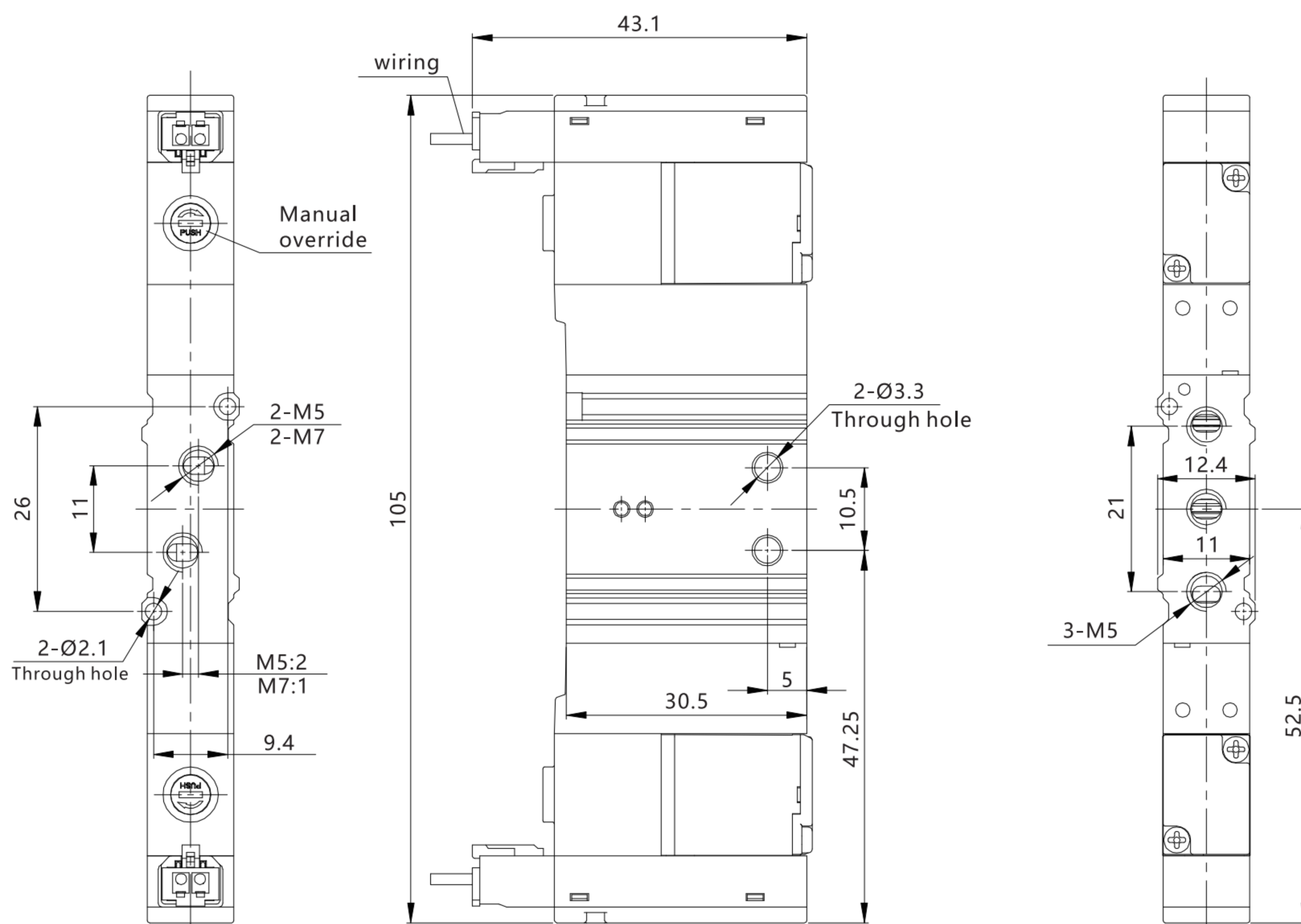
SVY Series Solenoid Valve&Valve Terminal

◎ Main Dimension

SVY5211

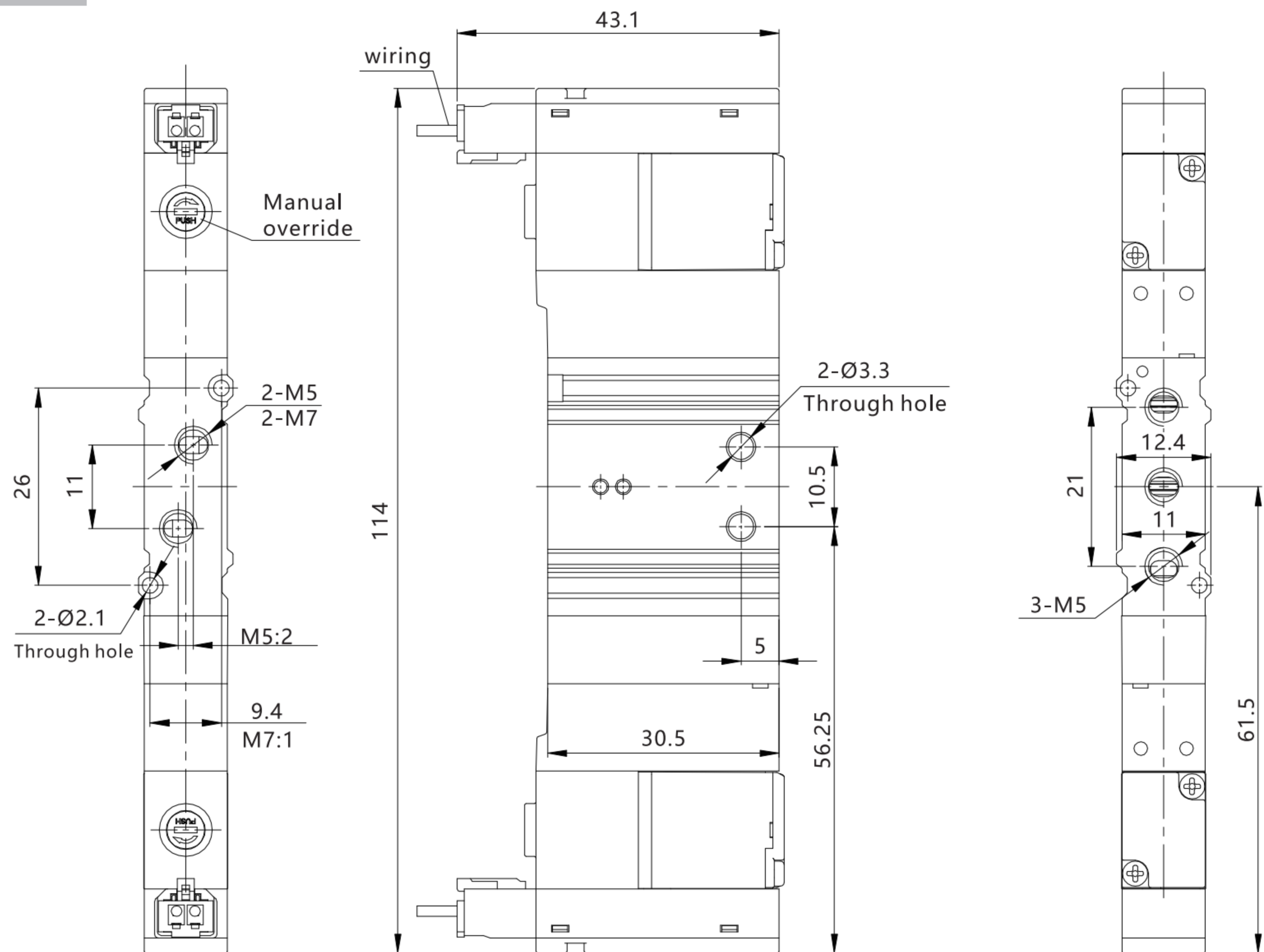


SVY5212

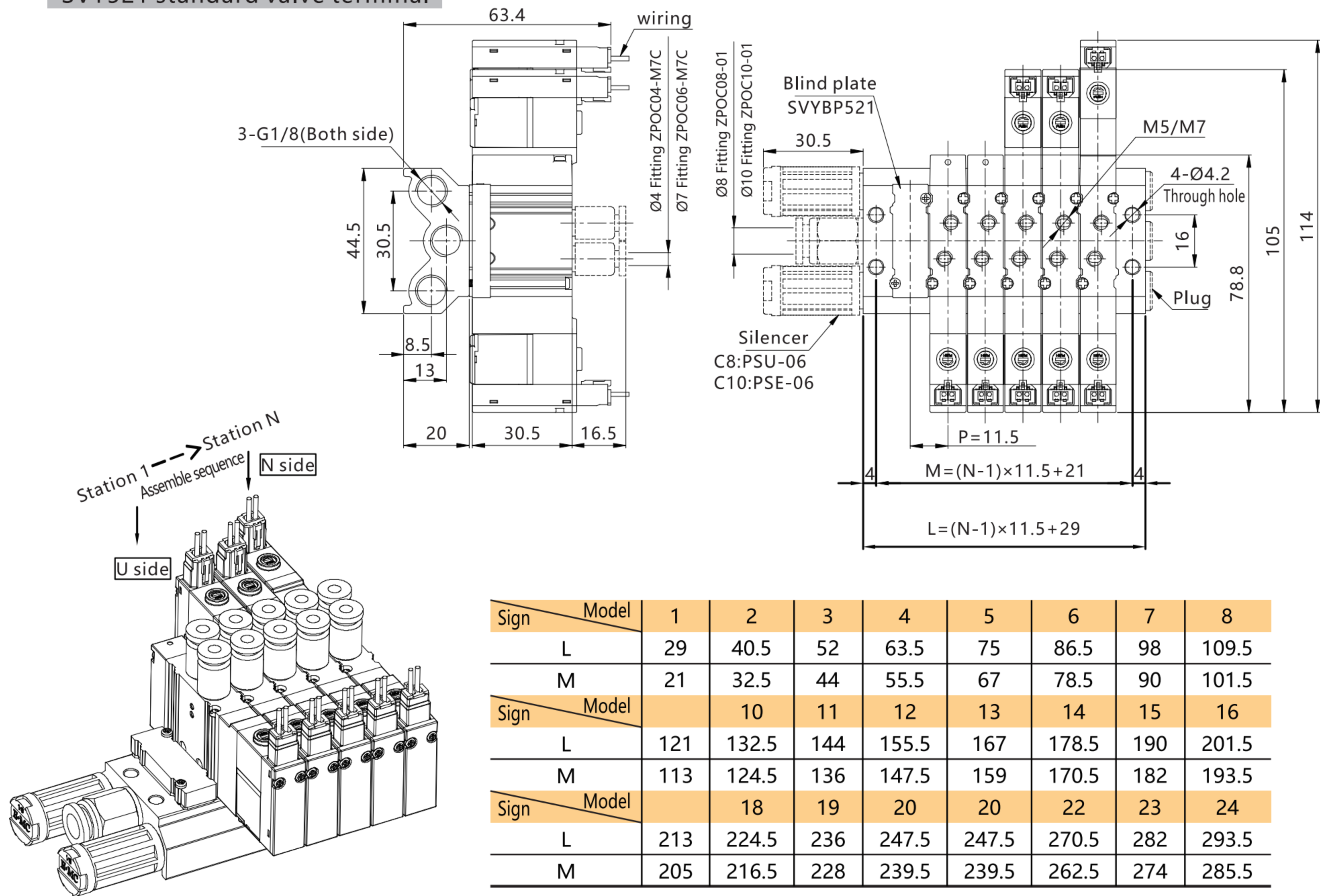


Main Dimension

SVY5312



SVY521 standard valve terminal



Note: N means valve link

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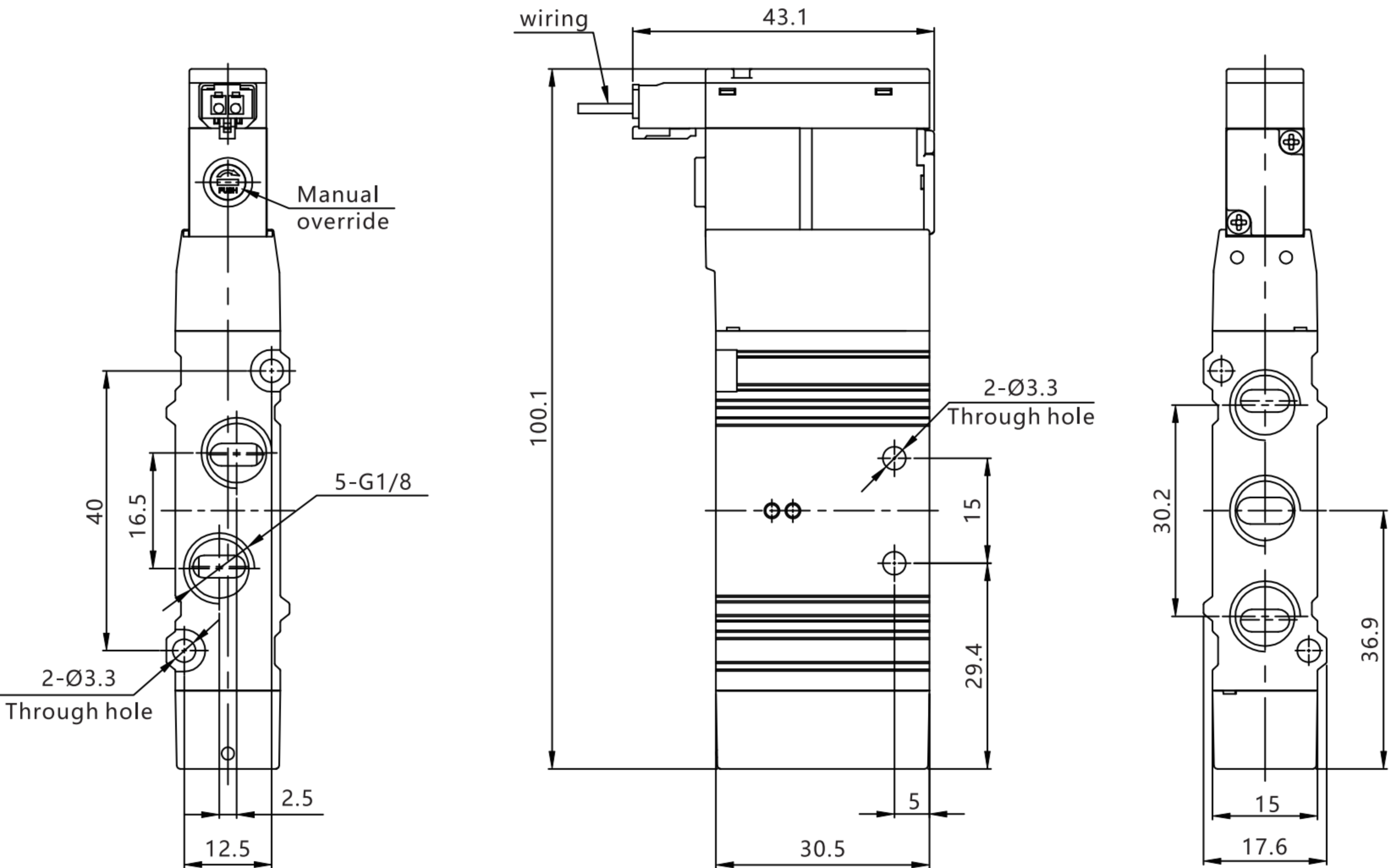


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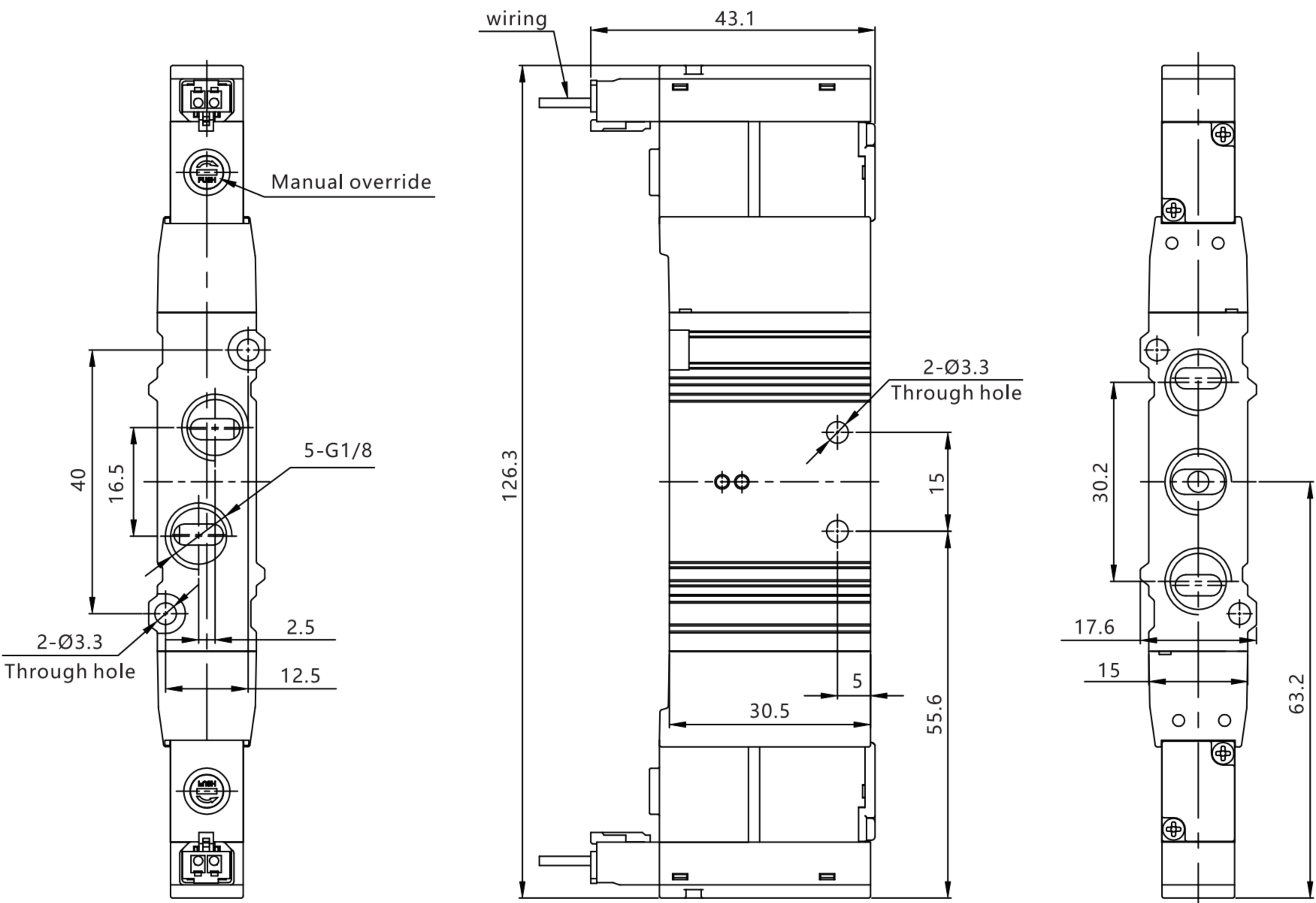
SVY

○ Main Dimension

SVY5221

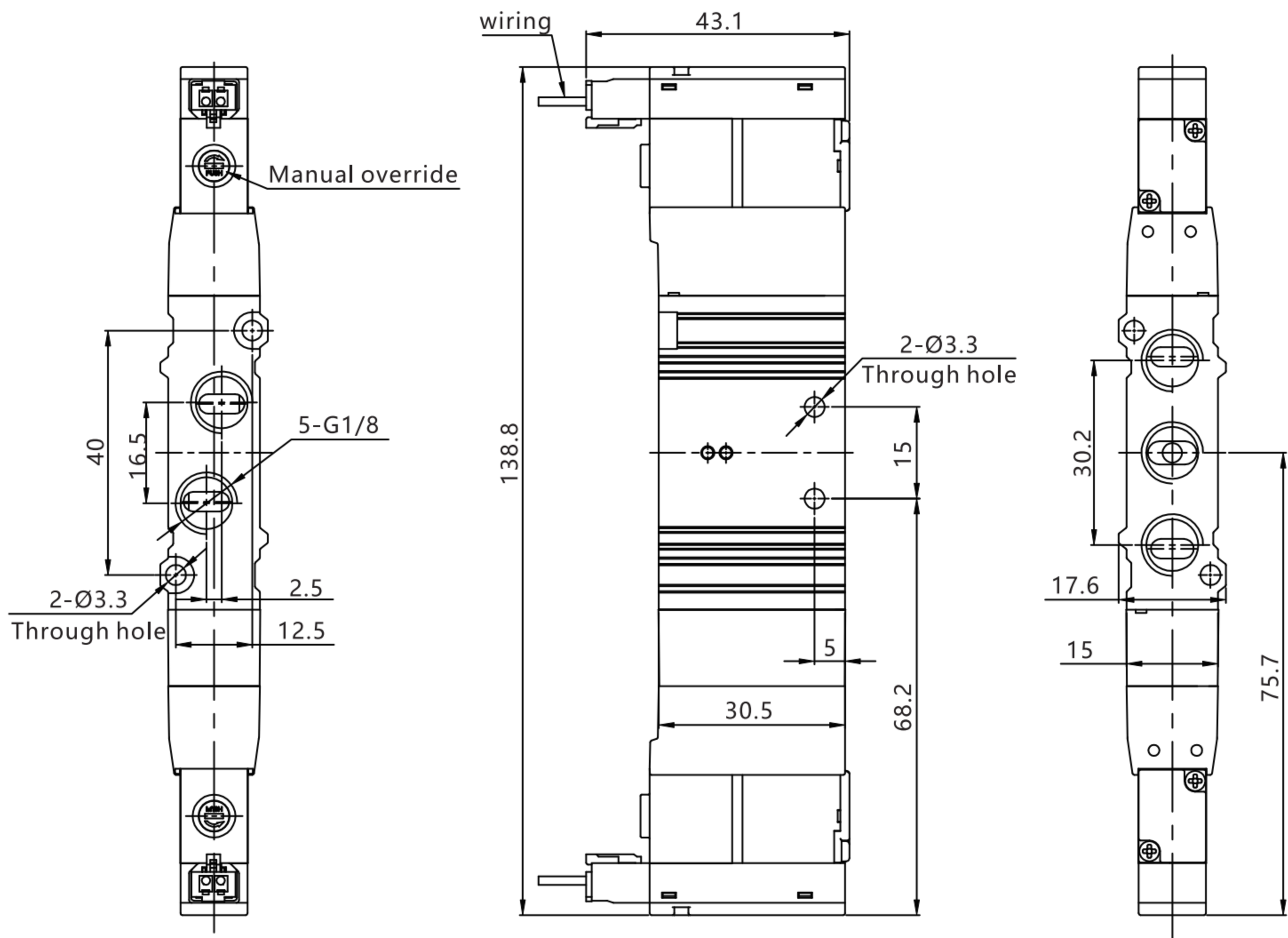


SVY5222/SV5422

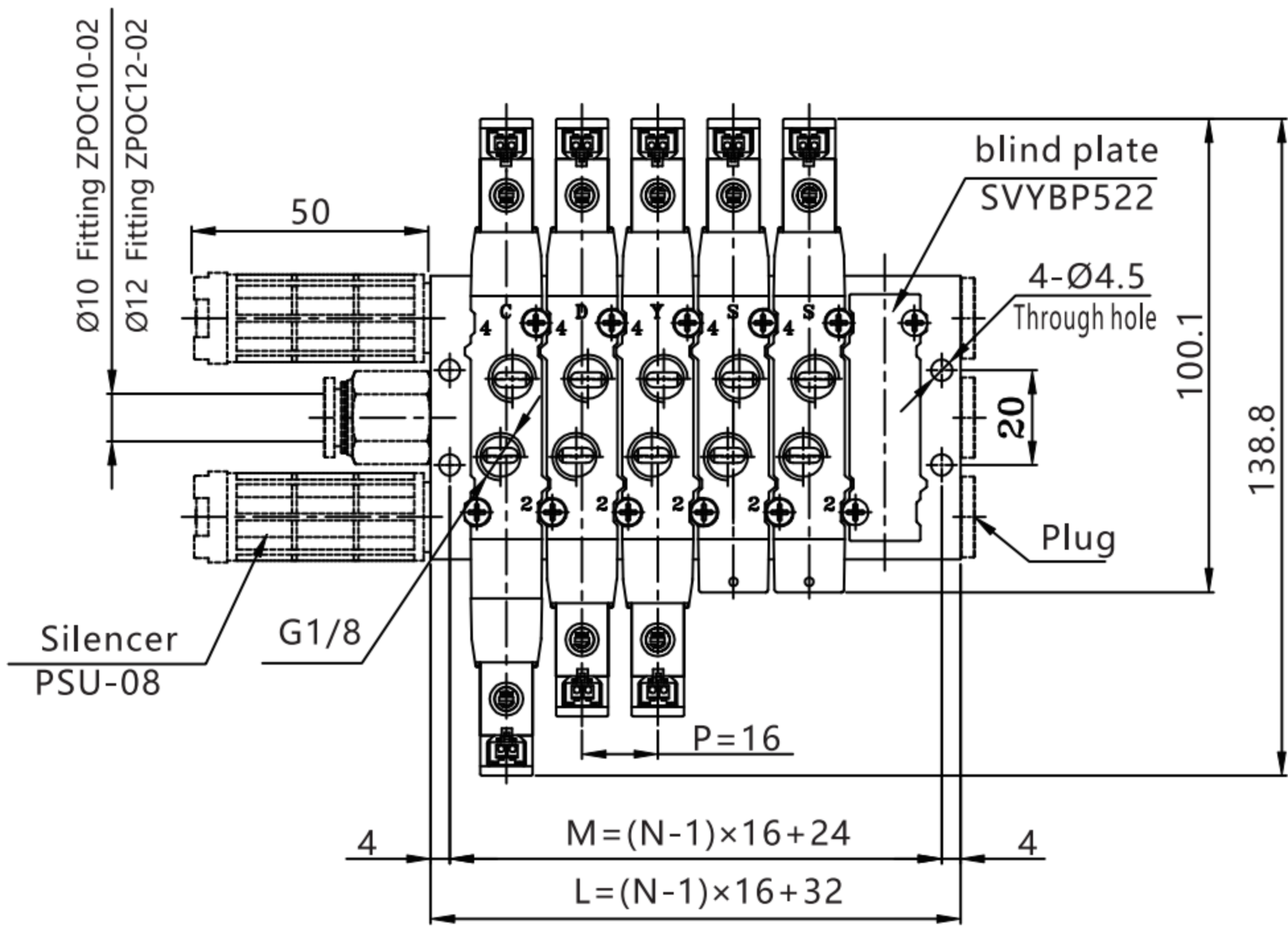
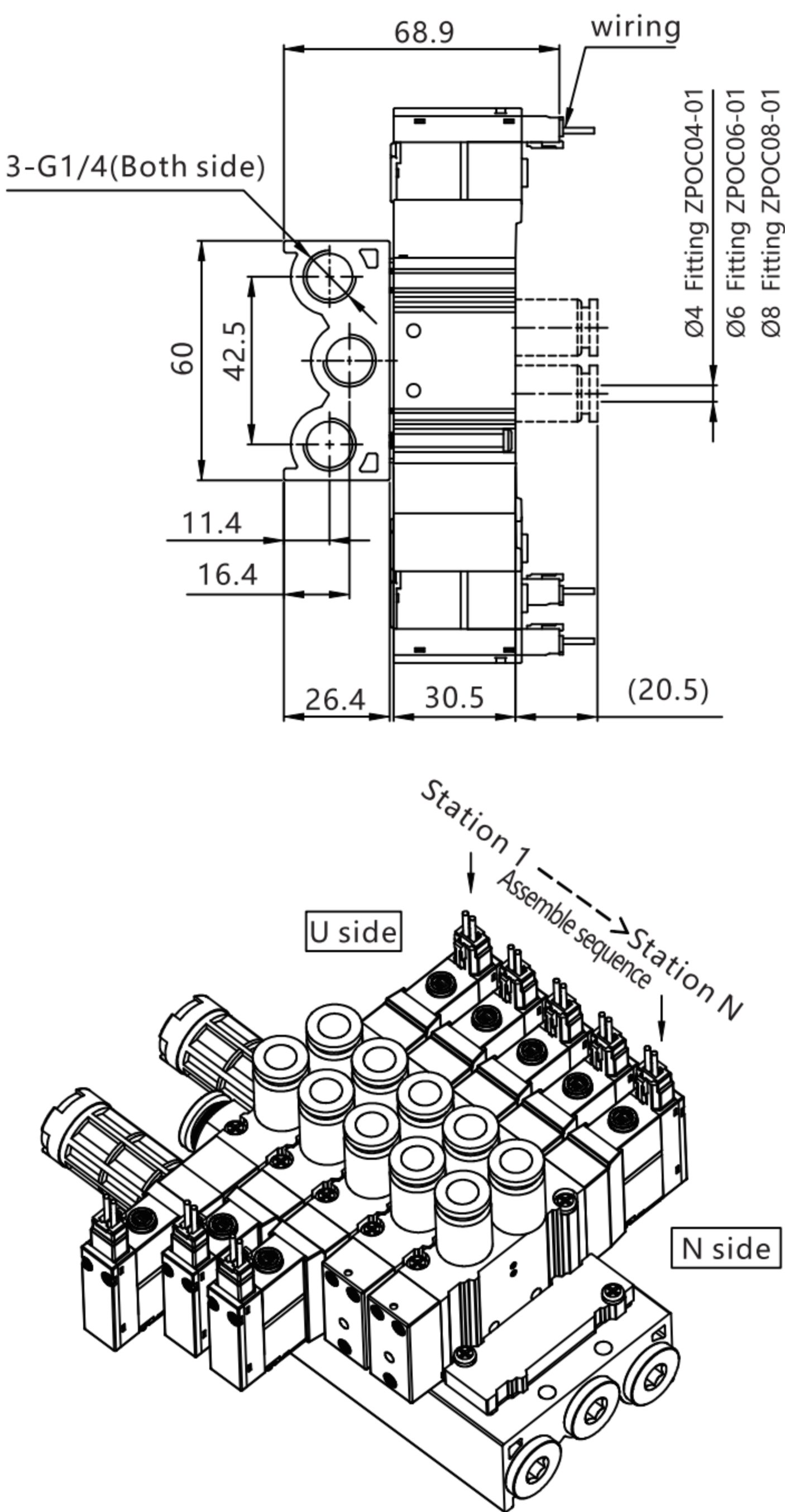


○ Main Dimension

SVY5322



SVY522 standard valve terminal



Sign	Model	2	3	4	5	6	7	8	9
L		48	64	80	96	112	128	144	160
M		40	56	72	88	104	120	136	152
Sign	Model	10	11	12	13	14	15	16	17
L		176	192	208	224	240	256	272	288
M		168	184	200	216	232	248	264	280
Sign	Model	18	19	20	21	22	23	24	25
L		304	320	336	352	368	384	400	
M		296	312	328	344	360	376	392	

Note □ N means number of the manifold stations