



个别配线集成 直接配管 · 底板配管 直动式 3通阀 Selex阀

M3PA · M3PB Series

●适应缸径：φ16~φ40

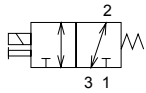


详细情况请参阅卷末第26页。



JIS符号

●2位 可逆型



气口编号1,2,3表示
气口1：P,NC
气口2：A,COM
气口3：R,NO

通用规格

项 目	内 容
集成方式	底板一体型
连数	2~20连
阀种类和操作方式	直动式截止阀
使用流体	压缩空气、低真空
最高使用压力 MPa	0.70 (低真空：-100KPa)
最低使用压力 MPa	0.00
保证耐压力 MPa	1.05 (低真空：-101KPa)
环境温度 °C	-5~50(但不得冻结)
流体温度 °C	5~50
给油	不要
防护等级	防尘
振动/冲击 m/s ²	50以下/300以下
使用场合	不可在腐蚀性气体中使

电气规格

项 目		3PA1 3PB1	3PA2 3PB2
额定电压	AC	100、200 (50 / 60Hz)	
	V DC	24	
额定电压变动范围		±10%	
启动电流	AC 100V	0.032 / 0.027	0.068 / 0.054
	AC 200V	0.016 / 0.014	0.034 / 0.027
	DC 24V	-	-
保持电流	AC 100V	0.028 / 0.022	0.041 / 0.032
	AC 200V	0.014 / 0.011	0.021 / 0.016
	DC 24V	0.075	0.075
功率	AC 100V	1.8 / 1.4 (2.0 / 1.6)	2.2 / 1.8 (2.4 / 2.0)
	AC 200V	1.8 / 1.4 (2.0 / 1.6)	2.2 / 1.8 (2.4 / 2.0)
	DC 24V	1.8 (2.0)	1.8 (2.0)
耐热等级		B(封装线圈)	
温度上升	°C	30	

参考：额定电压AC100V 50/60Hz可以在AC110V 60Hz下使用，额定电压AC200V 50/60Hz可以在AC220V 60Hz下使用。

各机种规格

项 目		M3PA1	M3PA2	M3PB1	M3PB2
集成的种类		气口2 : 个别 气口1·3: 集中	气口2 : 个别 气口1·3: 集中	气口1·2: 个别 气口3 : 集中 气口2·3: 集中 气口1 : 集中	气口2 : 个别 气口1·3: 集中
接管口径 注1	气口1	Rc 1/4	Rc 1/4	集中：Rc 1/4 个别：Rc 1/8	集中：Rc 1/4 个别：Rc 1/8
	气口2	M 5 (φ4、φ6快插接头)	Rc 1/8 (φ6、φ8快插接头)	Rc 1/8 (φ4、φ6快插接头)	Rc 1/8 (φ6、φ8快插接头)
	气口	Rc 1/4	Rc 1/4	集中：Rc 1/4 个别：Rc 1/8	集中：Rc 1/4 个别：Rc 1/8
响应时间	注2 ms	20以下	20以下	20以下	20以下

注1：配管气口的螺纹也对应于G螺纹、NPT螺纹，这点请进行咨询。

注2：响应时间是在提供的压力为0.5Mpa、不给油条件下ON时的数值。其值随压力和供应的润滑油的质量而变化。

臭氧对应规格 (卷末第9页)

※※ - 电压 - P11

流量特性

机种型号	气口1→2		气口2→1		气口2→3		气口3→2	
	C[dm³/(s・bar)]	b	C[dm³/(s・bar)]	b	C[dm³/(s・bar)]	b	C[dm³/(s・bar)]	b
M3PA1	0.38	0.17	0.37	0.46	0.47	0.45	0.40	0.18
M3PA2	0.93	0.25	1.0	0.35	1.1	0.32	0.97	0.31
M3PB1	0.36	0.22	0.32	0.43	0.33	0.48	0.31	0.24
M3PB2	0.86	0.25	0.93	0.38	0.94	0.22	0.88	0.27

注1：有效截面积S和音速传导率C的换算公式是 $S \div 5.0 \times C$ 。

MN3E0
MN4E0

4SA/B0

4SA/B1

4GA/B

M4GA/B

MN4GA/B

4GA/B
(主阀)

W4GA/B2

MN3S0
MN4S0

4TB

4L2-4・
LMF0

4KA/B

4F

PV5・
CMF

3MA/B0

3PA/B

P・M・B

NP・NAP
NVP

4F※0E

HMV
HSV

SKH

PCD・
FS・FD

个直
别动
配式
线3
集通
集成

M3PA·M3PB Series

个别配线集成

个别配线集成型号表示方法

●集成用电磁阀(直接配管)

3PA1 1 9 - M5 - M1 B 3 ※带密封垫圈、安装螺钉

●集成用电磁阀(底板配管)

3PB1 1 9 - 00 - M1 B 3 ※带密封垫圈、安装螺钉

●集成

M 3PB1 1 0 - 06 - M1 B 7 - 3 - S1 MP 5 2

混合集成的场合, 请标明各阀机能的数量表示位置。请见下一页。

a 机种型号				
直接配管		底板配管		
3PA1	3PA2	3PB1	3PB2	
●	●	●	●	
●	●	●	●	

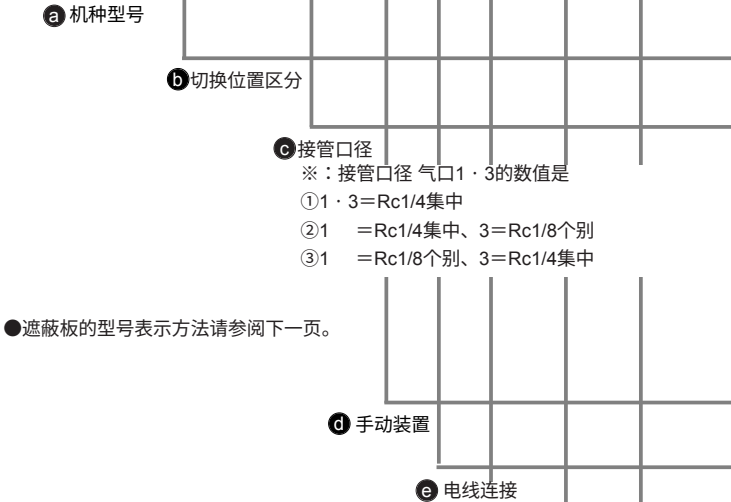
气口1・3				
①				
	①	①	①	
①		①		
①	①	①	①	
	①		①	
		①	①	
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		③	③	
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详情请见左边<表1>				
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●			



<表1>小型端子箱L・L2对应表

符 号	内 容		3PA1	3PA2	3PB1	3PB2
L	无导线	带指示灯	AC	●	●	●
			DC		●	
		带浪涌吸收器	AC			
		指示灯	DC	●		●
L2	带导线 (300mm)	带指示灯	AC	●	●	
			DC			
		带浪涌吸收器	AC			
		指示灯	DC	●		●



型号选定时的注意事项

- 注1: GS4是把快插接头GWS4-M5-S(3PA1)・GWJS4-6(3PB1)旋入气口2。
- 注2: GS6是把快插接头GWS6-M5-S(3PA1)・GWJS6-6(3PA2)・GWJS4-6(3PB1)旋入气口2。
- 注3: GS8是把快插接头GWS8-6(3PA2、3PB2)旋入气口2。
- 注4: 导线请使用AWG20~24的尺寸。
- 注5: 附加用的浪涌吸收器是DC24V以下时, 就为抑制器接插件类型。

<型号表示例>

M3PA210-06-S-7-1

- a 机种名: M3PA2(直接配管)
- b 切换位置区分: 2位单电控
- c 接管口径 : 气口2 Rc1/8
- d 手动装置 : 非锁定式手动装置
- e 电线连接 : 直接导线
- f 其他选择项 : 附加浪涌吸收器
- g 连数 : 7连
- f 电压 : AC100V

f 其他选择项

g 连数

h 电压

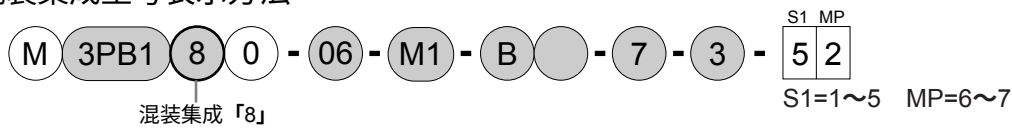
遮蔽板组件型号表示方法

3PA1 - MP-KIT ※带密封垫圈、安装螺钉

a 机种型号

a 机种型号
3PA1
3PB1
3PA2
3PB2

混装集成型号表示方法



混装集成型号表示方法的记入方法

- ①在型号表示方法的末尾在各种机能(切换位置区分)下记入数量。
机能和符号如下表所示。

例：2位单电控→S1

符号	机能(切换位置区分)□
S1	2位单电控
MP	遮蔽板



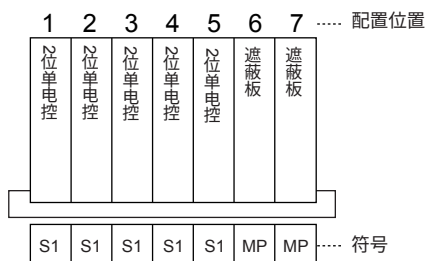
- ②在备注栏中记入机能(切换位置区分)和配置位置

切换位置符号=○,第○连(面对配管气口,把左侧作为第1连。)

例：S1=1~5 (第1~5连是2位单电控)

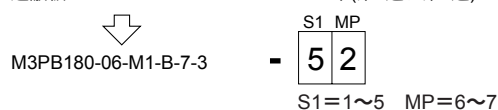
〈型号表示例〉

7连の場合



2位单电控 (S1)
遮蔽板

: 5个(第1连~第5连)
: 2个(第6连、第7连)



MN3E0
MN4E0

4SA/B0

4SA/B1

4GA/B

M4GA/B

MN4GA/B

4GA/B
(主阀)

W4GA/B2

MN3S0
MN4S0

4TB

4L2-4・
LMF0

4KA/B

4F

PV5・
CMF

3MA/B0

3PA/B

P・M・B

NP・NAP
NVP

4F※0E

HMV
HSV

SKH

PCD・
FS・FD

个直
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